



REPORT OF FATAL AND INJURY TRAFFIC COLLISIONS

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SOUTH BAY REGION

Fiscal Year 1998 - 1999

*Produced by the County of San Diego, Health and Human Services Agency,
Division of Emergency Medical Services, January 2001*

*Funding for this program was provided by a grant from the California Office of Traffic Safety
through the Business, Transportation & Housing Agency*

1: OVERVIEW

Table 1-1
Number of Victims Killed or Injured in Crashes in the South Bay Region
by Type of Crash and Type of Victim
July 1, 1998 to June 30, 1999

Type of Crash	Type of Victim									Total		
	Motor Vehicle Occupant		Motorcyclist		Pedestrian		Pedalcyclist		Other			
Motor Vehicle Occupant	2762†	(99.89%)*	0	(0.00%)	3	(0.11%)	0	(0.00%)	0	(0.00%)	2765	(100.%)
Motorcycle	2	(2.70%)	72†	(97.30%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	74	(100.%)
Pedalcycle	1	(0.78%)	0	(0.00%)	4	(3.13%)	123†	(96.09%)	0	(0.00%)	128	(100.%)
Pedestrian	1	(0.49%)	1	(0.49%)	202†	(99.02%)	0	(0.00%)	0	(0.00%)	204	(100.%)
Other	2	(9.09%)	0	(0.00%)	3	(13.64%)	14	(63.64%)	3	(13.64%)	22	(100.%)
Total	2768	(86.69%)	73	(2.29%)	212	(6.64%)	137	(4.29%)	3	(0.09%)	3193	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

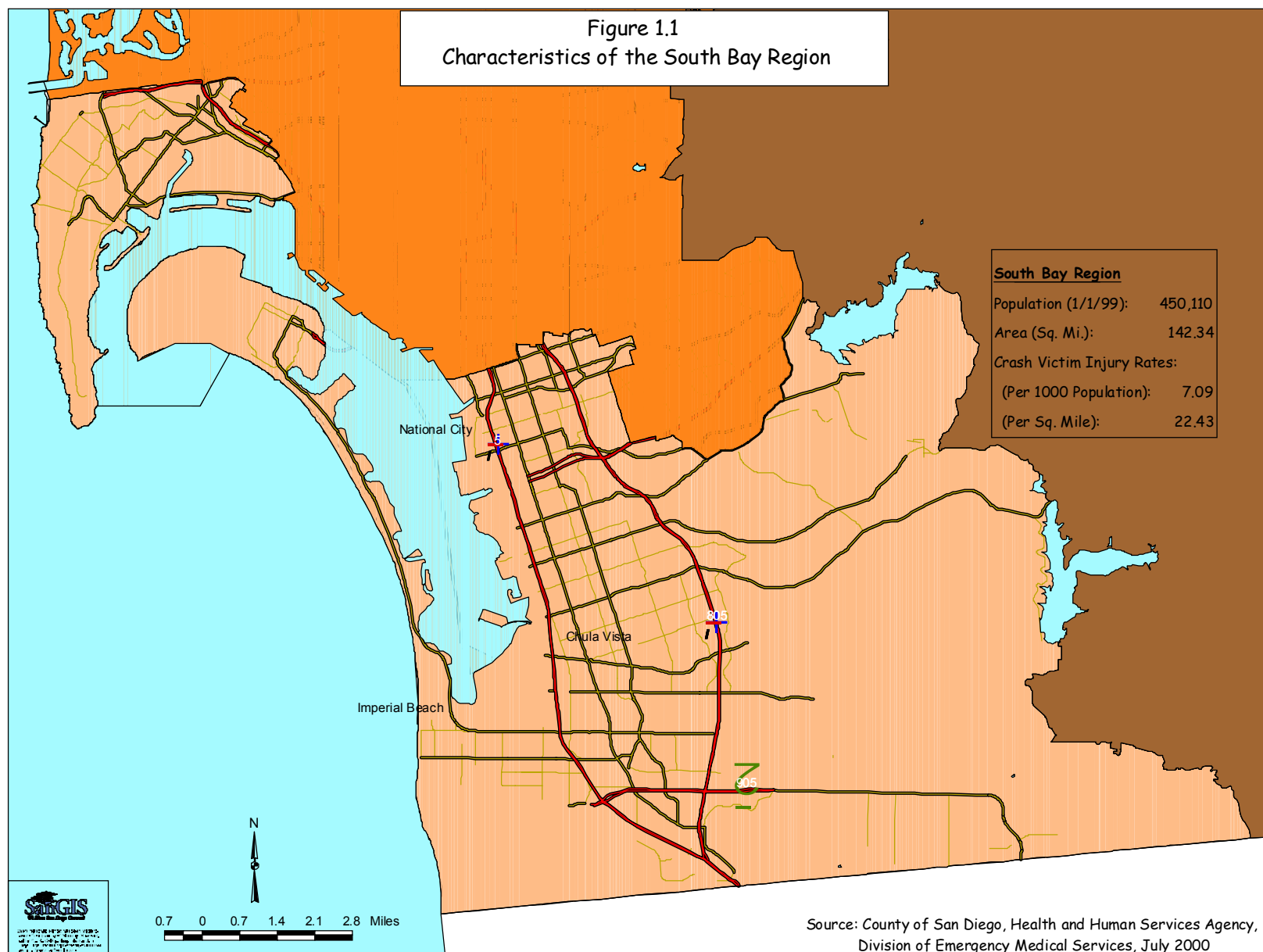
†These are the victims included in the tables in sections 2, 4, 6, and 8.

Table 1-2
Number of Victims Killed or Injured in Crashes in the South Bay Region
by Type of Crash and Severity of Injury
July 1, 1998 to June 30, 1999

Type of Crash	Severity of Injury								Total	
	Killed		Severe Injury		Other Visible Injury		Complaint of Pain			
Motor Vehicle Occupant	22	(0.80%)*	65	(2.35%)	664	(24.01%)	2014	(72.84%)	2765	(100.%)
Motorcycle	2	(2.70%)	11	(14.86%)	43	(58.11%)	18	(24.32%)	74	(100.%)
Pedalcycle	0	(0.00%)	9	(7.03%)	72	(56.25%)	47	(36.72%)	128	(100.%)
Pedestrian	11	(5.39%)	25	(12.25%)	88	(43.14%)	80	(39.22%)	204	(100.%)
Other	0	(0.00%)	3	(13.64%)	14	(63.64%)	5	(22.73%)	22	(100.%)
Total	35	(1.10%)	113	(3.54%)	881	(27.59%)	2164	(67.77%)	3193	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.



2: MOTOR VEHICLE OCCUPANT VICTIMS

Table 2-1
Leading Causes of Motor Vehicle Occupant Injuries by Age Group of Victim
South Bay Region

Age Group of Victim	Rank of Violation Category						Total Number of Victims
	1	2	3	4	5	6	
0-4	Unsafe Speed 13	Automobile Right-of-Way 7†	Improper Turning 7†	DUI Alcohol/Drugs 7†	Traffic Signals & Signs 4	Other Than Driver 3	45
5-9	Unsafe Speed 24	Automobile Right-of-Way 16	Traffic Signals & Signs 9	Unsafe Lane Change 6	Improper Turning 5	DUI Alcohol/Drugs 4	82
10-14	Unsafe Speed 32	Automobile Right-of-Way 18	Traffic Signals & Signs 10	DUI Alcohol/Drugs 6†	Following Too Closely 6†	Improper Turning 5	90
15-19	Unsafe Speed 110	Automobile Right-of-Way 66	Improper Turning 59	DUI Alcohol/Drugs 36	Traffic Signals & Signs 26	Following Too Closely 18	362
20-24	Unsafe Speed 118	Automobile Right-of-Way 77	DUI Alcohol/Drugs 68	Improper Turning 61	Traffic Signals & Signs 37	Following Too Closely 16	434
25-34	Unsafe Speed 173	Automobile Right-of-Way 113	DUI Alcohol/Drugs 83	Improper Turning 57	Traffic Signals & Signs 44	Following Too Closely 29	582
35-44	Unsafe Speed 166	Automobile Right-of-Way 66	Traffic Signals & Signs 57	DUI Alcohol/Drugs 49	Improper Turning 42	Following Too Closely 25	467
45-54	Unsafe Speed 102	Automobile Right-of-Way 52	Traffic Signals & Signs 29	Improper Turning 28	Following Too Closely 20	**	196
55-64	Unsafe Speed 53	Automobile Right-of-Way 35	Traffic Signals & Signs 30	DUI Alcohol/Drugs 11	Improper Turning 9	**	173
65-74	Unsafe Speed 35	Automobile Right-of-Way 18	Traffic Signals & Signs 12	Improper Turning 11	DUI Alcohol/Drugs 8	Following Too Closely 5	108
75-84	Unsafe Speed 16	Improper Turning 15	Automobile Right-of-Way 12	Traffic Signals & Signs 8	Following Too Closely 4	**	68
85+	Unsafe Speed 3	Unsafe Start/Backup 2	*				10
All Ages	Unsafe Speed 859	Automobile Right-of-Way 490	Improper Turning 305	DUI Alcohol/Drugs 299	Traffic Signals & Signs 271	Following Too Closely 133	2762

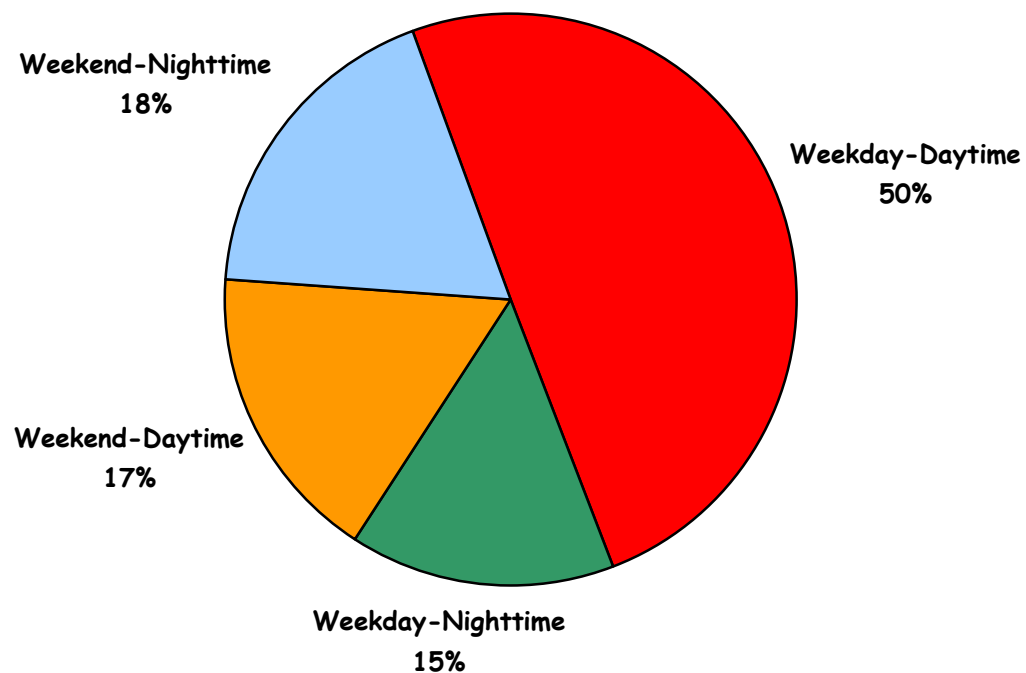
Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single victim were not ranked.

** Multiple violation categories with the same number of victims were not listed due to space limitations.

† Tie

Figure 2.1
Motor Vehicle Occupant Crash Victims by Time of Week
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

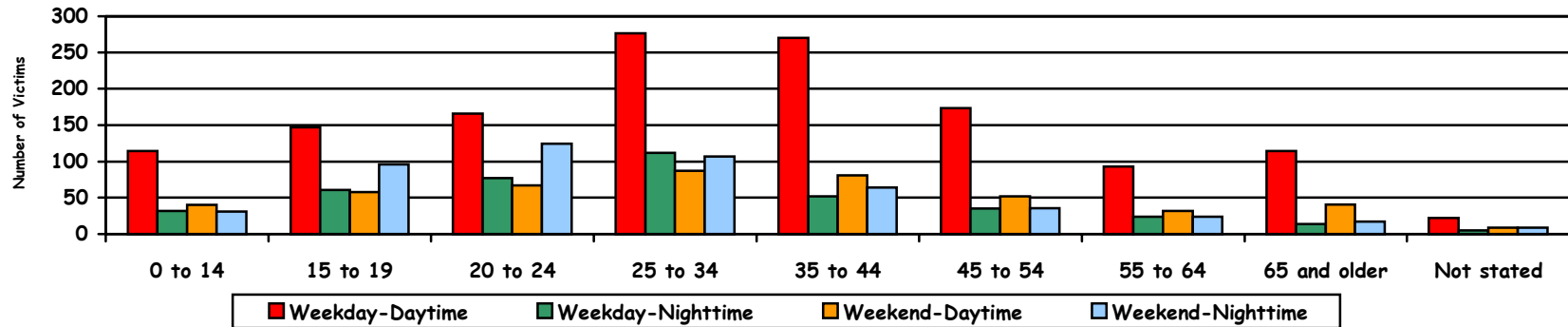
Table 2-2
Number of Motor Vehicle Occupant Victims Killed or Injured
in Motor Vehicle Occupant Crashes in the South Bay Region
by Age of Victim and Time of Week
July 1, 1998 to June 30, 1999

Age of Victim	Time of Week								Total	
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
1 to 4	20	(44.44%)	6	(13.33%)	8	(17.78%)	11	(24.44%)	45	(100.%)
5 to 9	47	(57.32%)	13	(15.85%)	15	(18.29%)	7	(8.54%)	82	(100.%)
10 to 14	47	(52.22%)	13	(14.44%)	17	(18.89%)	13	(14.44%)	90	(100.%)
15 to 19	147	(40.61%)	61	(16.85%)	58	(16.02%)	96	(26.52%)	362	(100.%)
20 to 24	166	(38.25%)	77	(17.74%)	67	(15.44%)	124	(28.57%)	434	(100.%)
25 to 34	276	(47.42%)	112	(19.24%)	87	(14.95%)	107	(18.38%)	582	(100.%)
35 to 44	270	(57.82%)	52	(11.13%)	81	(17.34%)	64	(13.70%)	467	(100.%)
45 to 54	173	(58.45%)	35	(11.82%)	52	(17.57%)	36	(12.16%)	296	(100.%)
55 to 64	93	(53.76%)	24	(13.87%)	32	(18.50%)	24	(13.87%)	173	(100.%)
65 to 74	66	(61.11%)	8	(7.41%)	23	(21.30%)	11	(10.19%)	108	(100.%)
75 to 84	42	(61.76%)	4	(5.88%)	17	(25.00%)	5	(7.35%)	68	(100.%)
85 and older	6	(60.00%)	2	(20.00%)	1	(10.00%)	1	(10.00%)	10	(100.%)
Not stated	22	(48.89%)	5	(11.11%)	9	(20.00%)	9	(20.00%)	45	(100.%)
Total	1375	(49.78%)	412	(14.92%)	467	(16.91%)	508	(18.39%)	2762	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

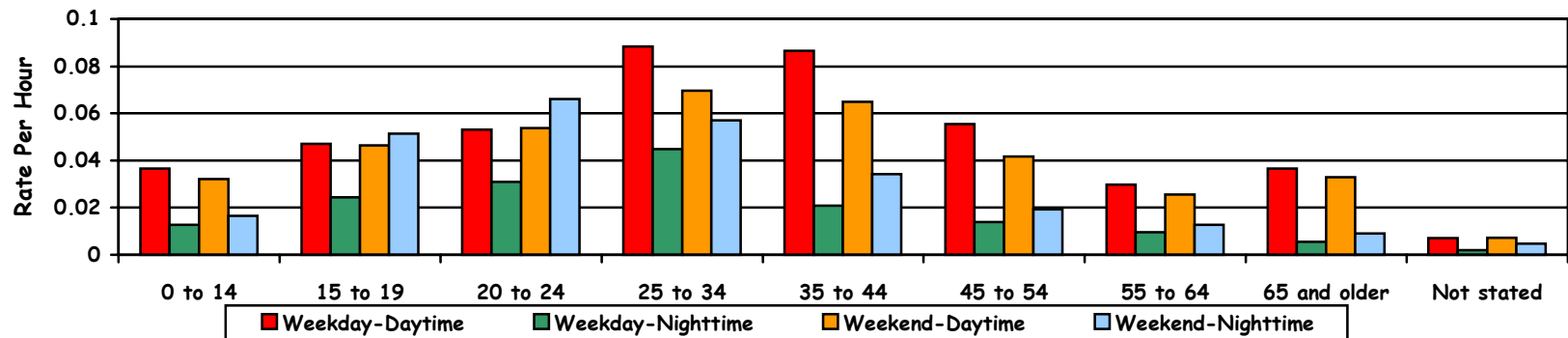
*Numbers in parentheses are row percents.

Figure 2.2
Motor Vehicle Occupant Crash Victims by Time of Week and Age of Victim
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Figure 2.3
Motor Vehicle Occupant Victim Rates Per Hour by Time of Week and Age of Victim
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 2-3
Number of Motor Vehicle Occupant Victims Killed or Injured in Motor Vehicle Occupant Crashes
in the South Bay Region
by Type of Collision and Severity of Injury
July 1, 1998 to June 30, 1999

Type of Collision	Severity of Injury								Total	
	Killed		Severe Injury		Other Visible Injury		Complaint of Pain			
Head-on	1	(0.58%)*	4	(2.31%)	55	(31.79%)	113	(65.32%)	173	(100.%)
Sideswipe	7	(3.37%)	7	(3.37%)	65	(31.25%)	129	(62.02%)	208	(100.%)
Rear-end	1	(0.09%)	12	(1.03%)	152	(13.08%)	997	(85.80%)	1162	(100.%)
Broadside	2	(0.25%)	17	(2.12%)	202	(25.22%)	580	(72.41%)	801	(100.%)
Hit Object	7	(2.17%)	17	(5.28%)	143	(44.41%)	155	(48.14%)	322	(100.%)
Overtuned	2	(4.08%)	2	(4.08%)	28	(57.14%)	17	(34.69%)	49	(100.%)
Other	2	(4.26%)	5	(10.64%)	19	(40.43%)	21	(44.68%)	47	(100.%)
Total	22	(0.80%)	64	(2.32%)	664	(24.04%)	2012	(72.85%)	2762	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

*Numbers in parentheses are row percents.

Table 2-4
Number of Motor Vehicle Occupant Victims Killed or Injured in Motor Vehicle Occupant Crashes
in the South Bay Region
by Age of Victim and Safety Equipment Used
July 1, 1998 to June 30, 1999

Age of Victim	Safety Equipment Used									Total
	Active Restraint - Used	Active Restraint - Not Used	Passive Restraint - Used/ Deployed	Passive Restraint - Not Used/ Deployed	Child Restraint - Used	Child Restraint - Not Used	None in Vehicle	Unknown	Other/Not Required	
1 to 4	21 (46.67%)*	2 (4.44%)	0 (0.00%)	0 (0.00%)	15 (33.33%)	1 (2.22%)	3 (6.67%)	3 (6.67%)	0 (0.00%)	45 (100.%)
5 to 9	60 (73.17%)	8 (9.76%)	3 (3.66%)	0 (0.00%)	2 (2.44%)	0 (0.00%)	4 (4.88%)	3 (3.66%)	2 (2.44%)	82 (100.%)
10 to 14	70 (77.78%)	11 (12.22%)	3 (3.33%)	1 (1.11%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	5 (5.56%)	0 (0.00%)	90 (100.%)
15 to 19	285 (78.73%)	30 (8.29%)	19 (5.25%)	1 (0.28%)	0 (0.00%)	0 (0.00%)	5 (1.38%)	18 (4.97%)	4 (1.10%)	362 (100.%)
20 to 24	327 (75.35%)	41 (9.45%)	26 (5.99%)	4 (0.92%)	0 (0.00%)	0 (0.00%)	5 (1.15%)	29 (6.68%)	2 (0.46%)	434 (100.%)
25 to 34	457 (78.52%)	32 (5.50%)	36 (6.19%)	2 (0.34%)	0 (0.00%)	0 (0.00%)	7 (1.20%)	45 (7.73%)	3 (0.52%)	582 (100.%)
35 to 44	385 (82.44%)	14 (3.00%)	24 (5.14%)	2 (0.43%)	0 (0.00%)	0 (0.00%)	3 (0.64%)	35 (7.49%)	4 (0.86%)	467 (100.%)
45 to 54	242 (81.76%)	9 (3.04%)	14 (4.73%)	2 (0.68%)	0 (0.00%)	0 (0.00%)	1 (0.34%)	27 (9.12%)	1 (0.34%)	296 (100.%)
55 to 64	144 (83.24%)	6 (3.47%)	4 (2.31%)	2 (1.16%)	0 (0.00%)	0 (0.00%)	2 (1.16%)	15 (8.67%)	0 (0.00%)	173 (100.%)
65 to 74	93 (86.11%)	4 (3.70%)	2 (1.85%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	8 (7.41%)	1 (0.93%)	108 (100.%)
75 to 84	52 (76.47%)	2 (2.94%)	3 (4.41%)	1 (1.47%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	10 (14.71%)	0 (0.00%)	68 (100.%)
85 and older	6 (60.00%)	0 (0.00%)	1 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (10.00%)	2 (20.00%)	0 (0.00%)	10 (100.%)
Not stated	22 (48.89%)	3 (6.67%)	1 (2.22%)	1 (2.22%)	3 (6.67%)	0 (0.00%)	0 (0.00%)	15 (33.33%)	0 (0.00%)	45 (100.%)
Total	2164 (78.35%)	162 (5.87%)	136 (4.92%)	16 (0.58%)	20 (0.72%)	1 (0.04%)	31 (1.12%)	215 (7.78%)	17 (0.62%)	2762 (100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

3: MOTOR VEHICLE OCCUPANT CRASHES

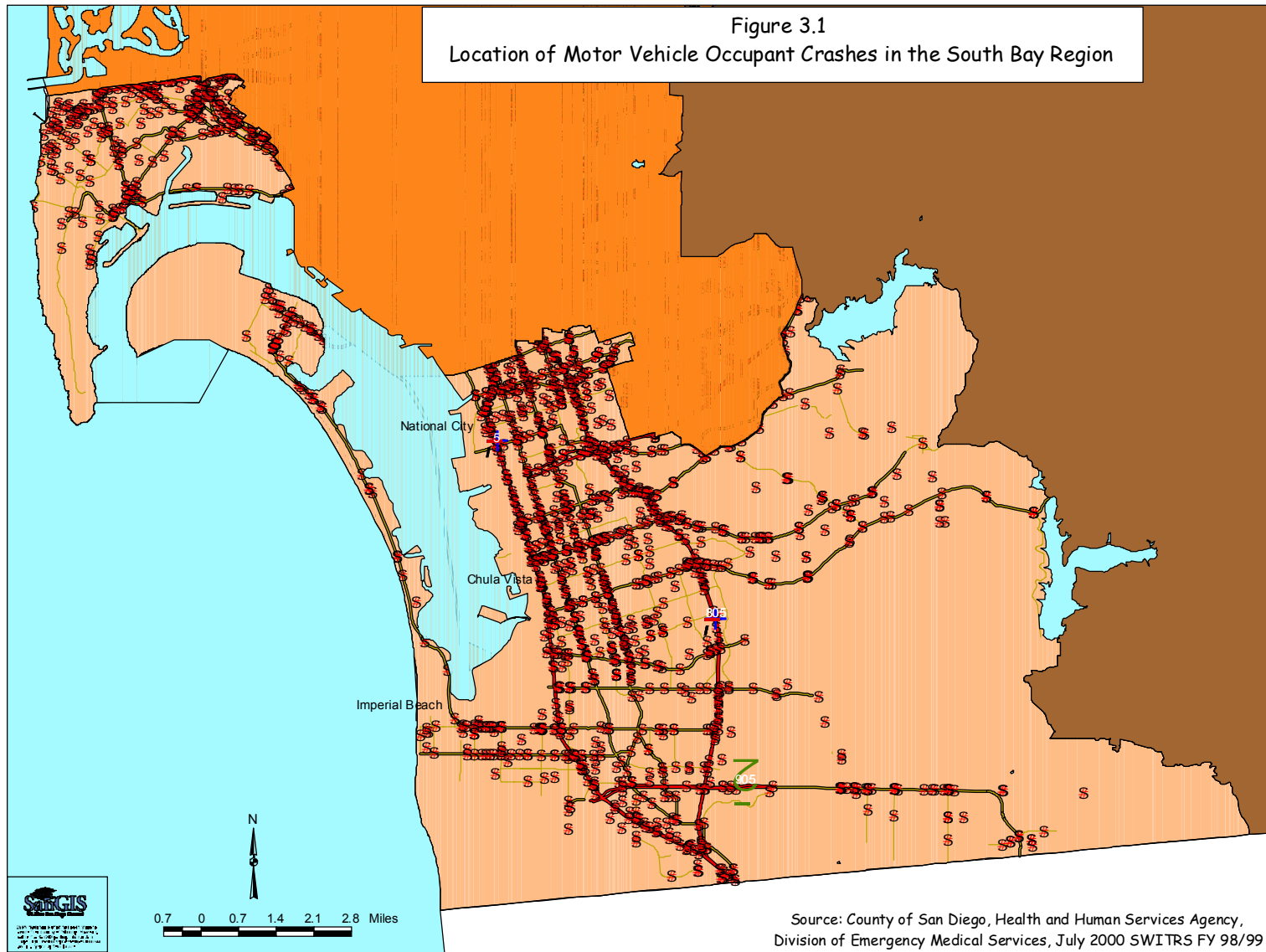


Table 3-1
Leading Violation Categories in Motor Vehicle Occupant Crashes by Age of Party at Fault
South Bay Region

Age of Party at Fault	Rank of Violation Category						Total Number of Crashes
	1	2	3	4	5	6	
5-9	*						1
10-14	*						1
15-19	Unsafe Speed 85	Improper Turning 36	Automobile Right-of-Way 35	DUI Alcohol/Drugs 16	Traffic Signals & Signs 10	Following Too Closely 8	203
20-24	Unsafe Speed 68	Automobile Right-of-Way 49	DUI Alcohol/Drugs 35	Improper Turning 33	Traffic Signals & Signs 27	Following Too Closely 13	250
25-34	Unsafe Speed 98	Automobile Right-of-Way 66	DUI Alcohol/Drugs 64	Improper Turning 41	Traffic Signals & Signs 29	Following Too Closely 19	341
35-44	Unsafe Speed 119	Automobile Right-of-Way 41	DUI Alcohol/Drugs 39	Improper Turning 34	Traffic Signals & Signs 17†	Following Too Closely 17†	297
45-54	Automobile Right-of-Way 37	Unsafe Speed 32	DUI Alcohol/Drugs 21	Traffic Signals & Signs 17	Improper Turning 16	Following Too Closely 8	147
55-64	Unsafe Speed 21	Traffic Signals & Signs 17	Automobile Right-of-Way 15	DUI Alcohol/Drugs 6	Improper Turning 5	Following Too Closely 4	74
65-74	Unsafe Speed 20	Automobile Right-of-Way 16	Traffic Signals & Signs 9	Improper Turning 8	Unsafe Start/Backup 3	**	64
75-84	Automobile Right-of-Way 17	Improper Turning 12	Unsafe Speed 7	Traffic Signals & Signs 6	Unsafe Start/Backup 3	Following Too Closely 2	50
85+	*						2
All Crashes	Unsafe Speed 524	Automobile Right-of-Way 296	Improper Turning 204	DUI Alcohol/Drugs 194	Traffic Signals & Signs 158	Following Too Closely 85	1737

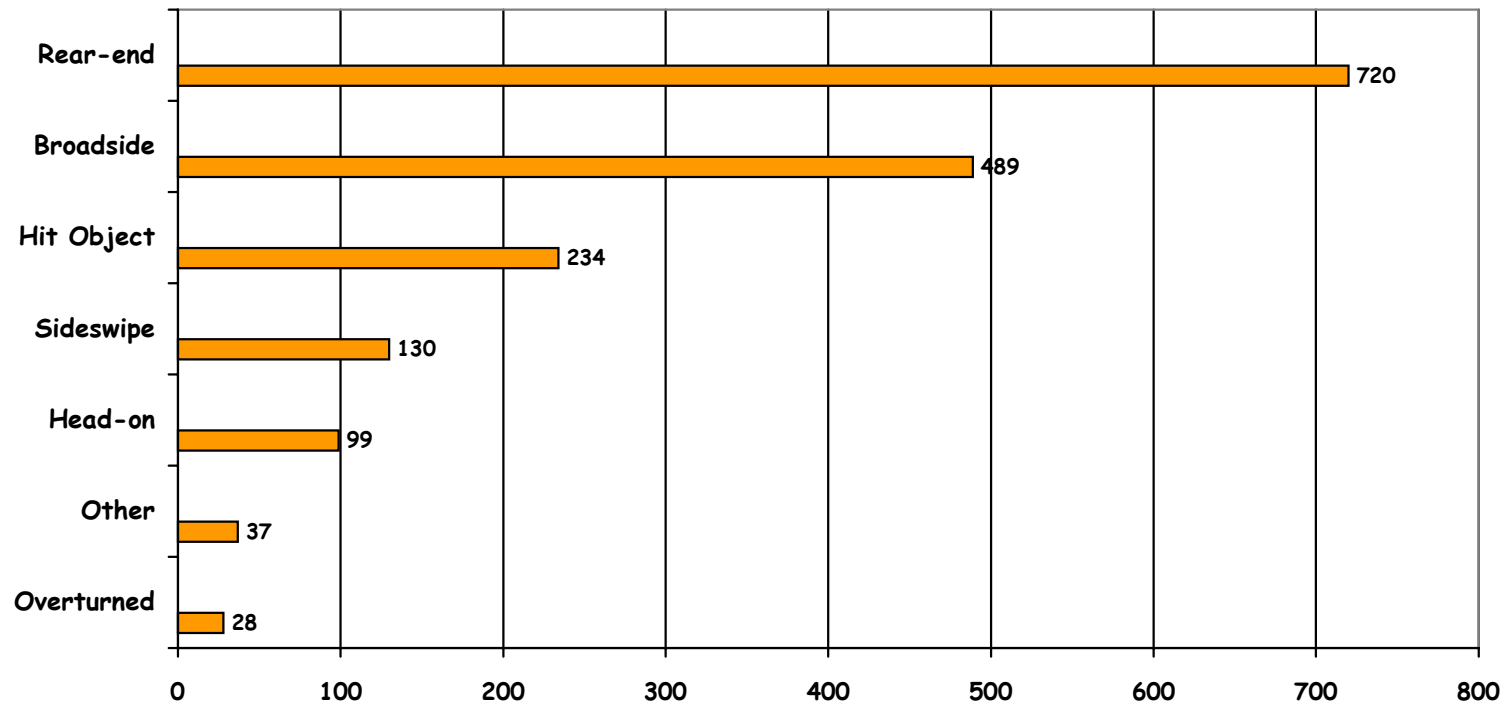
Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single crash were not ranked.

** Multiple violation categories with the same number of victims were not listed due to space limitations.

† Tie

Figure 3.2
Motor Vehicle Occupant Crashes by Type of Collision
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

Table 3-2
Number of Motor Vehicle Occupant Crashes in the South Bay Region
by Age of Party at Fault and Collision Type
July 1, 1998 to June 30, 1999

Age of Party at Fault	Collision Type							Total
	Head-on	Sideswipe	Rear-end	Broadside	Hit Object	Overtaken	Other	
Not Stated	5	9	70	24	8	0	2	118
	(4.24%)*	(7.63%)	(59.32%)	(20.34%)	(6.78%)	(0.00%)	(1.69%)	(100.%)
5 to 9	0	0	0	1	0	0	0	1
	(0.00%)	(0.00%)	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
10 to 14	0	0	0	1	0	0	0	1
	(0.00%)	(0.00%)	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
15 to 19	11	15	79	49	42	7	0	203
	(5.42%)	(7.39%)	(38.92%)	(24.14%)	(20.69%)	(3.45%)	(0.00%)	(100.%)
20 to 24	18	19	87	72	44	8	2	250
	(7.20%)	(7.60%)	(34.80%)	(28.80%)	(17.60%)	(3.20%)	(0.80%)	(100.%)
25 to 34	21	25	135	99	50	4	7	341
	(6.16%)	(7.33%)	(39.59%)	(29.03%)	(14.66%)	(1.17%)	(2.05%)	(100.%)
35 to 44	14	17	156	63	39	4	4	297
	(4.71%)	(5.72%)	(52.53%)	(21.21%)	(13.13%)	(1.35%)	(1.35%)	(100.%)
45 to 54	9	13	51	54	15	4	1	147
	(6.12%)	(8.84%)	(34.69%)	(36.73%)	(10.20%)	(2.72%)	(0.68%)	(100.%)
55 to 64	6	6	29	32	0	1	0	74
	(8.11%)	(8.11%)	(39.19%)	(43.24%)	(0.00%)	(1.35%)	(0.00%)	(100.%)
65 to 74	5	8	23	20	7	0	1	64
	(7.81%)	(12.50%)	(35.94%)	(31.25%)	(10.94%)	(0.00%)	(1.56%)	(100.%)
75 to 84	3	2	15	23	5	0	2	50
	(6.00%)	(4.00%)	(30.00%)	(46.00%)	(10.00%)	(0.00%)	(4.00%)	(100.%)
85 and older	0	0	1	1	0	0	0	2
	(0.00%)	(0.00%)	(50.00%)	(50.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
Fault Not Assig	7	16	74	50	24	0	18	189
	(3.70%)	(8.47%)	(39.15%)	(26.46%)	(12.70%)	(0.00%)	(9.52%)	(100.%)
Total	99	130	720	489	234	28	37	1737
	(5.70%)	(7.48%)	(41.45%)	(28.15%)	(13.47%)	(1.61%)	(2.13%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 3-3
Number of Motor Vehicle Occupant Crashes in the South Bay Region
by Age of Party at Fault and First Weather Condition
July 1, 1998 to June 30, 1999

Age of Party at Fault	First Weather Condition						Total
	Not Stated	Clear	Cloudy	Raining	Fog	Other	
Not Stated	2	97	12	6	0	1	118
	(1.69%)*	(82.20%)	(10.17%)	(5.08%)	(0.00%)	(0.85%)	(100.%)
5 to 9	0	1	0	0	0	0	1
	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
10 to 14	0	1	0	0	0	0	1
	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
15 to 19	0	154	31	17	1	0	203
	(0.00%)	(75.86%)	(15.27%)	(8.37%)	(0.49%)	(0.00%)	(100.%)
20 to 24	0	185	51	12	0	2	250
	(0.00%)	(74.00%)	(20.40%)	(4.80%)	(0.00%)	(0.80%)	(100.%)
25 to 34	0	252	65	22	2	0	341
	(0.00%)	(73.90%)	(19.06%)	(6.45%)	(0.59%)	(0.00%)	(100.%)
35 to 44	2	217	54	23	1	0	297
	(0.67%)	(73.06%)	(18.18%)	(7.74%)	(0.34%)	(0.00%)	(100.%)
45 to 54	0	111	26	10	0	0	147
	(0.00%)	(75.51%)	(17.69%)	(6.80%)	(0.00%)	(0.00%)	(100.%)
55 to 64	0	58	11	4	0	1	74
	(0.00%)	(78.38%)	(14.86%)	(5.41%)	(0.00%)	(1.35%)	(100.%)
65 to 74	0	47	9	7	0	1	64
	(0.00%)	(73.44%)	(14.06%)	(10.94%)	(0.00%)	(1.56%)	(100.%)
75 to 84	0	45	5	0	0	0	50
	(0.00%)	(90.00%)	(10.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
85 and older	0	2	0	0	0	0	2
	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
Fault Not Assigned	10	138	30	9	1	1	189
	(5.29%)	(73.02%)	(15.87%)	(4.76%)	(0.53%)	(0.53%)	(100.%)
Total	14	1308	294	110	5	6	1737
	(0.81%)	(75.30%)	(16.93%)	(6.33%)	(0.29%)	(0.35%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 3-4
Number of Motor Vehicle Occupant Crashes in the South Bay Region
by Age of Party at Fault and Time of Week
July 1, 1998 to June 30, 1999

Age of Party at Fault	Time of Week								Total	
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
Not Stated	40	(33.90%)*	21	(17.80%)	21	(17.80%)	36	(30.51%)	118	(100.%)
5 to 9	0	(0.00%)	1	(100.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
10 to 14	1	(100.00%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
15 to 19	87	(42.86%)	35	(17.24%)	34	(16.75%)	47	(23.15%)	203	(100.%)
20 to 24	119	(47.60%)	46	(18.40%)	34	(13.60%)	51	(20.40%)	250	(100.%)
25 to 34	159	(46.63%)	63	(18.48%)	51	(14.96%)	68	(19.94%)	341	(100.%)
35 to 44	168	(56.57%)	38	(12.79%)	50	(16.84%)	41	(13.80%)	297	(100.%)
45 to 54	78	(53.06%)	16	(10.88%)	33	(22.45%)	20	(13.61%)	147	(100.%)
55 to 64	43	(58.11%)	14	(18.92%)	8	(10.81%)	9	(12.16%)	74	(100.%)
65 to 74	45	(70.31%)	2	(3.13%)	10	(15.63%)	7	(10.94%)	64	(100.%)
75 to 84	37	(74.00%)	1	(2.00%)	8	(16.00%)	4	(8.00%)	50	(100.%)
85 and older	1	(50.00%)	0	(0.00%)	1	(50.00%)	0	(0.00%)	2	(100.%)
Fault Not Assigned	93	(49.21%)	31	(16.40%)	36	(19.05%)	29	(15.34%)	189	(100.%)
Total	871	(50.14%)	268	(15.43%)	286	(16.47%)	312	(17.96%)	1737	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

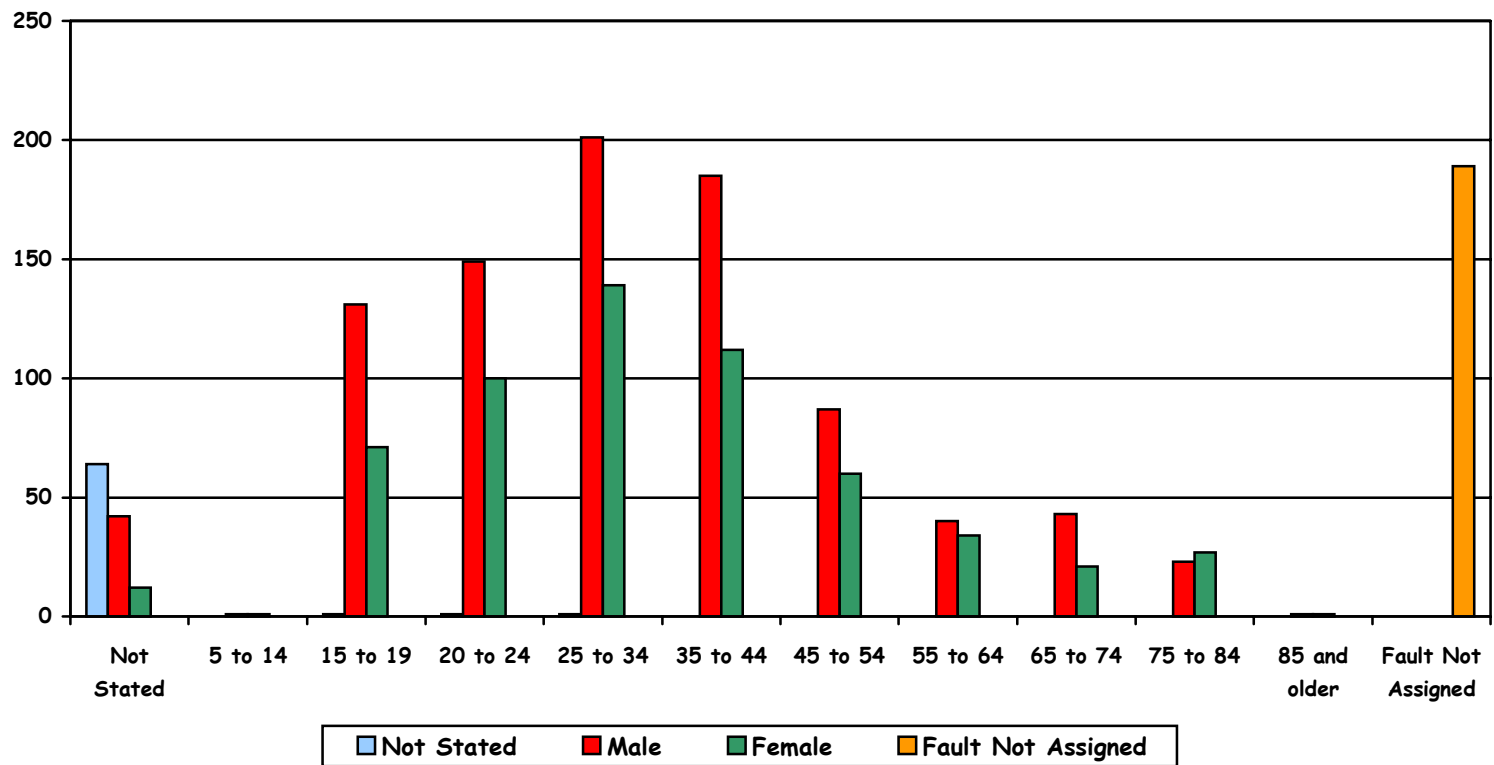
Table 3-5
Number of Motor Vehicle Occupant Crashes in the South Bay Region
by Age of Party at Fault and First Road Condition
July 1, 1998 to June 30, 1999

Age of Party at Fault	First Road Condition									Total
	Not Stated	Holes, Deep Ruts	Loose Material on Roadway	Obstruction on Roadway	Construction or Repair Zone	Reduced Roadway Width	Flooded	Other	No Unusual Condition	
Not Stated	0 (0.00%)*	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	118 (100.00%)	118 (100.%)
5 to 9	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (100.00%)	1 (100.%)
10 to 14	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (100.00%)	1 (100.%)
15 to 19	3 (1.48%)	1 (0.49%)	1 (0.49%)	0 (0.00%)	4 (1.97%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	194 (95.57%)	203 (100.%)
20 to 24	1 (0.40%)	0 (0.00%)	0 (0.00%)	1 (0.40%)	3 (1.20%)	0 (0.00%)	1 (0.40%)	5 (2.00%)	239 (95.60%)	250 (100.%)
25 to 34	3 (0.88%)	0 (0.00%)	1 (0.29%)	2 (0.59%)	6 (1.76%)	0 (0.00%)	0 (0.00%)	3 (0.88%)	326 (95.60%)	341 (100.%)
35 to 44	3 (1.01%)	3 (1.01%)	2 (0.67%)	3 (1.01%)	4 (1.35%)	0 (0.00%)	0 (0.00%)	2 (0.67%)	280 (94.28%)	297 (100.%)
45 to 54	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (2.04%)	0 (0.00%)	0 (0.00%)	1 (0.68%)	143 (97.28%)	147 (100.%)
55 to 64	0 (0.00%)	0 (0.00%)	2 (2.70%)	1 (1.35%)	4 (5.41%)	0 (0.00%)	0 (0.00%)	2 (2.70%)	65 (87.84%)	74 (100.%)
65 to 74	0 (0.00%)	1 (1.56%)	0 (0.00%)	0 (0.00%)	2 (3.13%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	61 (95.31%)	64 (100.%)
75 to 84	1 (2.00%)	0 (0.00%)	1 (2.00%)	0 (0.00%)	2 (4.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	46 (92.00%)	50 (100.%)
85 and older	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (100.00%)	2 (100.%)
Fault Not Assigned	18 (9.52%)	1 (0.53%)	2 (1.06%)	1 (0.53%)	3 (1.59%)	1 (0.53%)	0 (0.00%)	1 (0.53%)	162 (85.71%)	189 (100.%)
Total	29 (1.67%)	6 (0.35%)	9 (0.52%)	8 (0.46%)	31 (1.78%)	1 (0.06%)	1 (0.06%)	14 (0.81%)	1638 (94.30%)	1737 (100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Figure 3.3
Age and Gender of Party at Fault in Motor Vehicle Occupant Crashes
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

4: MOTORCYCLE VICTIMS

Table 4-1
Leading Causes of Motorcycle Injuries by Age Group of Victim
South Bay Region

Age Group of Victim	Rank of Violation Category						Total Number of Victims
	1	2	3	4	5	6	
0-4							0
5-9							0
10-14							0
15-19	*						1
20-24	Unsafe Speed 7	Improper Turning 4	*				14
25-34	DUI Alcohol/Drugs 8	Automobile Right-of-Way 7	Unsafe Speed 5	Improper Turning 4	*		30
35-44	Unsafe Speed 3	Improper Turning 2†	Improper Passing 2†	*			10
45-54	Unsafe Speed 3	Other Than Driver 2†	Following Too Closely 2†				9
55-64	Automobile Right-of-Way 2	*					4
65-74	*						1
75-84							0
85+							0
All Ages	Unsafe Speed 19	Improper Turning 12	Automobile Right-of-Way 11	DUI Alcohol/Drugs 10	Other Than Driver 4	**	72

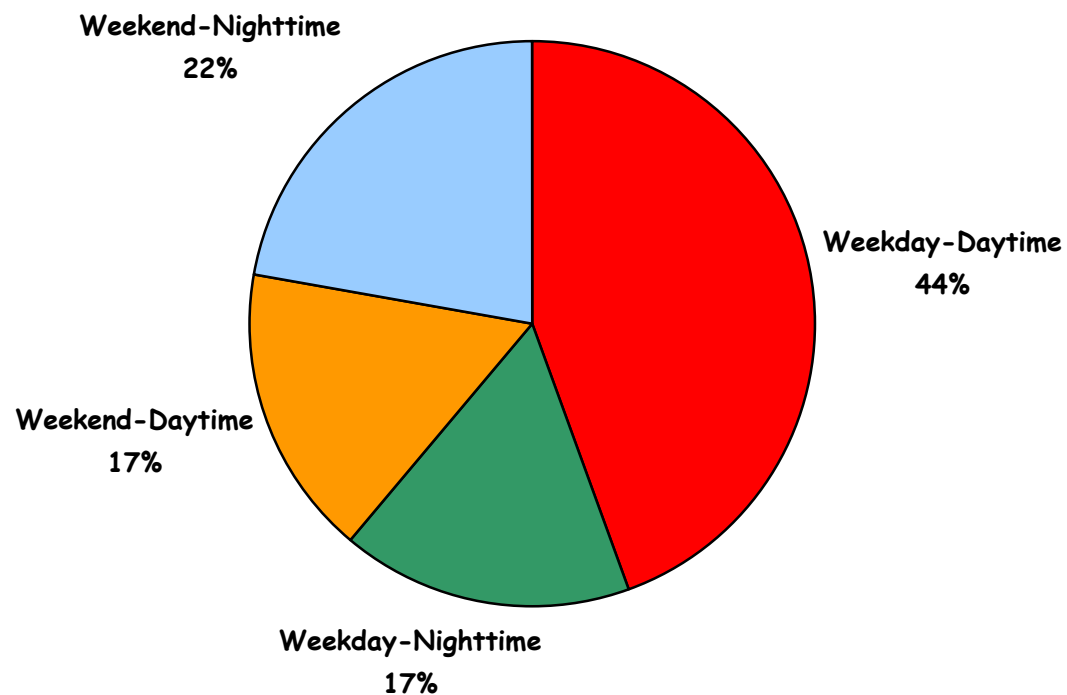
Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single victim were not ranked.

** Multiple violation categories with the same number of victims were not listed due to space limitations.

† Tie

Figure 4.1
Motorcycle Crash Victims by Time of Week
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 4-2
Number of Motorcycle Victims Killed or Injured in Motorcycle Crashes
in the South Bay Region
by Age of Victim and Time of Week
July 1, 1998 to June 30, 1999

Age of Victim	Time of Week								Total	
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
15 to 19	0	(0.00%)*	0	(0.00%)	0	(0.00%)	1	(100.00%)	1	(100.%)
20 to 24	9	(64.29%)	1	(7.14%)	1	(7.14%)	3	(21.43%)	14	(100.%)
25 to 34	13	(43.33%)	7	(23.33%)	4	(13.33%)	6	(20.00%)	30	(100.%)
35 to 44	3	(30.00%)	2	(20.00%)	3	(30.00%)	2	(20.00%)	10	(100.%)
45 to 54	4	(44.44%)	0	(0.00%)	2	(22.22%)	3	(33.33%)	9	(100.%)
55 to 64	2	(50.00%)	0	(0.00%)	1	(25.00%)	1	(25.00%)	4	(100.%)
65 to 74	0	(0.00%)	0	(0.00%)	1	(100.00%)	0	(0.00%)	1	(100.%)
Not stated	1	(33.33%)	2	(66.67%)	0	(0.00%)	0	(0.00%)	3	(100.%)
Total	32	(44.44%)	12	(16.67%)	12	(16.67%)	16	(22.22%)	72	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

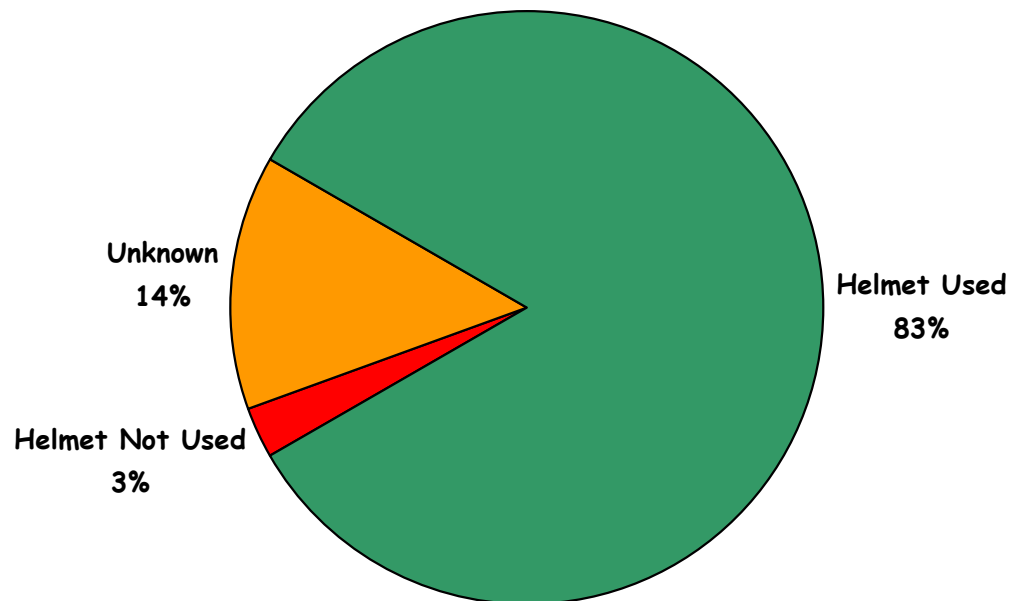
Table 4-3
Number of Motorcycle Victims Killed or Injured in Motorcycle Crashes
in the South Bay Region
by Type of Collision and Severity of Injury
July 1, 1998 to June 30, 1999

Type of Collision	Severity of Injury								Total	
	Killed		Severe Injury		Other Visible Injury		Complaint of Pain			
Head-on	0	(0.00%)	1	(33.33%)	2	(66.67%)	0	(0.00%)	3	(100.%)
Sideswipe	0	(0.00%)	2	(25.00%)	4	(50.00%)	2	(25.00%)	8	(100.%)
Rear-end	0	(0.00%)	0	(0.00%)	8	(57.14%)	6	(42.86%)	14	(100.%)
Broadside	0	(0.00%)	4	(28.57%)	6	(42.86%)	4	(28.57%)	14	(100.%)
Hit Object	2	(15.38%)	1	(7.69%)	6	(46.15%)	4	(30.77%)	13	(100.%)
Overtuned	0	(0.00%)	3	(18.75%)	13	(81.25%)	0	(0.00%)	16	(100.%)
Other	0	(0.00%)	0	(0.00%)	3	(75.00%)	1	(25.00%)	4	(100.%)
Total	2	(2.78%)	11	(15.28%)	42	(58.33%)	17	(23.61%)	72	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Figure 4.2
Helmet Use Among Motorcycle Crash Victims
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 4-4
Number of Motorcycle Victims Killed or Injured in Motorcycle Crashes
in the South Bay Region
by Age of Victim and Helmet Use
July 1, 1998 to June 30, 1999

Age of Victim	Helmet Use						Total	
	Helmet Used		Helmet Not Used		Unknown			
15 to 19	1	(100.00%)*	0	(0.00%)	0	(0.00%)	1	(100.%)
20 to 24	13	(92.86%)	0	(0.00%)	1	(7.14%)	14	(100.%)
25 to 34	24	(80.00%)	1	(3.33%)	5	(16.67%)	30	(100.%)
35 to 44	7	(70.00%)	1	(10.00%)	2	(20.00%)	10	(100.%)
45 to 54	9	(100.00%)	0	(0.00%)	0	(0.00%)	9	(100.%)
55 to 64	4	(100.00%)	0	(0.00%)	0	(0.00%)	4	(100.%)
65 to 74	0	(0.00%)	0	(0.00%)	1	(100.00%)	1	(100.%)
Not stated	2	(66.67%)	0	(0.00%)	1	(33.33%)	3	(100.%)
Total	60	(83.33%)	2	(2.78%)	10	(13.89%)	72	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

5: MOTORCYCLE CRASHES

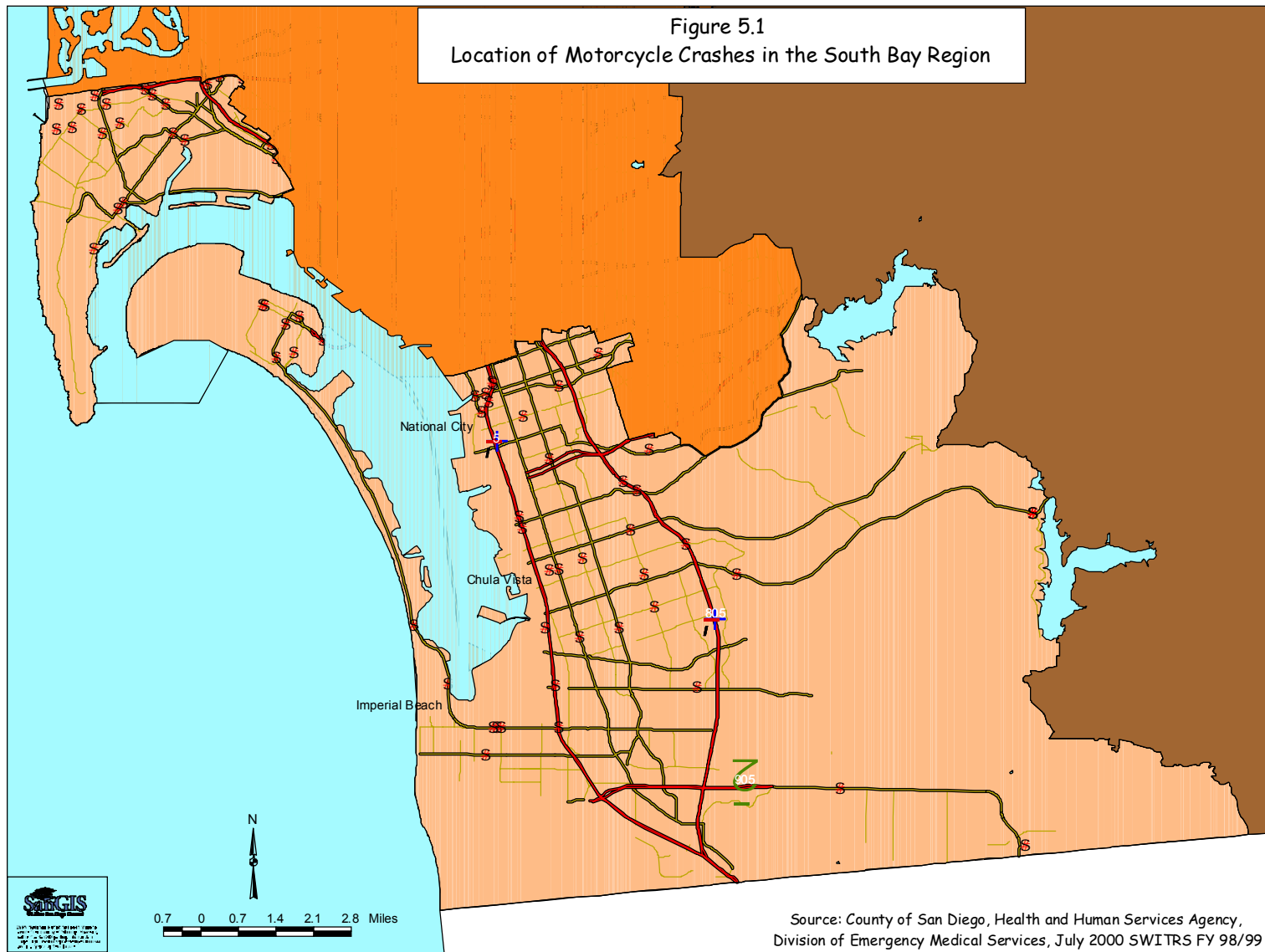


Table 5-1
Leading Violation Categories in Motorcycle Crashes by Type of Party at Fault
South Bay Region

Type of Party at Fault	Rank of Violation Category						Total Number of Crashes
	1	2	3	4	5	6	
Motorcycle at Fault	Unsafe Speed 16	Improper Turning 7†	DUI Alcohol/Drugs 7†	Following Too Closely 2†	Improper Passing 2†	*	37
Other Party at Fault	Automobile Right-of-Way 8	Improper Turning 4	Unsafe Speed 3	DUI Alcohol/Drugs 2†	Unsafe Lane Change 2†	*	21
Fault Not Assigned	Other Than Driver 3	*					9
All Crashes	Unsafe Speed 19	Improper Turning 11	Automobile Right-of-Way 10	DUI Alcohol/Drugs 9	Following Too Closely 3†	Other Than Driver 3†	67

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single crash were not ranked.

† Tie

Table 5-2
Number of Motorcycle Crashes in the South Bay Region
by Collision Type and Type of Party at Fault
July 1, 1998 to June 30, 1999

Collision Type	Fault in Motorcycle Crash						Total	
	Motorcycle at Fault		Other Party at Fault		Fault Not Assigned			
Head-on	0	(0.00%)*	3	(100.00%)	0	(0.00%)	3	(100.%)
Sideswipe	2	(25.00%)	5	(62.50%)	1	(12.50%)	8	(100.%)
Rear-end	8	(57.14%)	6	(42.86%)	0	(0.00%)	14	(100.%)
Broadside	3	(25.00%)	7	(58.33%)	2	(16.67%)	12	(100.%)
Hit Object	9	(75.00%)	0	(0.00%)	3	(25.00%)	12	(100.%)
Overturned	13	(92.86%)	0	(0.00%)	1	(7.14%)	14	(100.%)
Other	2	(50.00%)	0	(0.00%)	2	(50.00%)	4	(100.%)
Total	37	(55.22%)	21	(31.34%)	9	(13.43%)	67	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 5-3
Number of Motorcycle Crashes in the South Bay Region
by First Weather Condition and Type of Party at Fault
July 1, 1998 to June 30, 1999

First Weather Condition	Fault in Motorcycle Crash						Total	
	Motorcycle at Fault		Other Party at Fault		Fault Not Assigned			
Clear	33	(55.93%)*	17	(28.81%)	9	(15.25%)	59	(100.%)
Cloudy	4	(50.00%)	4	(50.00%)	0	(0.00%)	8	(100.%)
Total	37	(55.22%)	21	(31.34%)	9	(13.43%)	67	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 5-4
Number of Motorcycle Crashes in the South Bay Region
by Time of Week and Type of Party at Fault
July 1, 1998 to June 30, 1999

Time of Week	Fault in Motorcycle Crash						Total	
	Motorcycle at Fault		Other Party at Fault		Fault Not Assigned			
Weekday-Daytime	15	(48.39%)*	12	(38.71%)	4	(12.90%)	31	(100.%)
Weekday-Nighttime	8	(66.67%)	3	(25.00%)	1	(8.33%)	12	(100.%)
Weekend-Daytime	6	(54.55%)	2	(18.18%)	3	(27.27%)	11	(100.%)
Weekend-Nighttime	8	(61.54%)	4	(30.77%)	1	(7.69%)	13	(100.%)
Total	37	(55.22%)	21	(31.34%)	9	(13.43%)	67	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 5-5
Number of Motorcycle Crashes in the South Bay Region
by First Road Condition and Type of Party at Fault
July 1, 1998 to June 30, 1999

First Road Condition	Fault in Motorcycle Crash						Total	
	Motorcycle at Fault		Other Party at Fault		Fault Not Assigned			
Not Stated	1	(100.00%)*	0	(0.00%)	0	(0.00%)	1	(100.%)
Construction or Repair Zone	1	(100.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
No Unusual Condition	35	(53.85%)	21	(32.31%)	9	(13.85%)	65	(100.%)
Total	37	(55.22%)	21	(31.34%)	9	(13.43%)	67	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 5-6
Number of Motorcycle Crashes in the South Bay Region
by Age and Gender of Party at Fault and Type of Party at Fault
July 1, 1998 to June 30, 1999

Age of Party at Fault	Fault in Motorcycle Crash†							
	Motorcycle at Fault				Other Party at Fault			
	Gender of Party at Fault††				Gender of Party at Fault††			
	Male		Female		Male		Female	
Not Stated	2	(5.41%)*	0	(0.00%)	1	(5.00%)	0	(0.00%)
15 to 19	1	(2.70%)	0	(0.00%)	1	(5.00%)	0	(0.00%)
20 to 24	11	(29.73%)	0	(0.00%)	1	(5.00%)	1	(5.00%)
25 to 34	13	(35.14%)	1	(2.70%)	1	(5.00%)	1	(5.00%)
35 to 44	4	(10.81%)	1	(2.70%)	0	(0.00%)	2	(10.00%)
45 to 54	3	(8.11%)	0	(0.00%)	3	(15.00%)	4	(20.00%)
65 to 74	1	(2.70%)	0	(0.00%)	1	(5.00%)	1	(5.00%)
75 to 84	0	(0.00%)	0	(0.00%)	1	(5.00%)	2	(10.00%)
Total	35	(94.59%)	2	(5.41%)	9	(45.00%)	11	(55.00%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are age and gender percents.

†Fault was not assigned in 9 crashes.

††Gender of party at fault was not stated for 1 other party.

6: PEDALCYCLE VICTIMS

Table 6-1
Leading Causes of Pedalcycle Injuries by Age Group of Victim
South Bay Region

Age Group of Victim	Rank of Violation Category						Total Number of Victims
	1	2	3	4	5	6	
0-4	*						1
5-9	Automobile Right-of-Way 7	*					12
10-14	Automobile Right-of-Way 5	Improper Turning 4†	Traffic Signals & Signs 4†	Wrong Side of Road 2	*		18
15-19	Improper Turning 7	Automobile Right-of-Way 2†	Wrong Side of Road 2†	DUI Alcohol/Drugs 2†	*		17
20-24	Automobile Right-of-Way 4	Wrong Side of Road 2†	Other Hazardous Viol. 2†	*			11
25-34	Automobile Right-of-Way 7	DUI Alcohol/Drugs 3	Improper Turning 2†	Other Hazardous Viol. 2†	*		17
35-44	Automobile Right-of-Way 5	Improper Turning 4	*				17
45-54	Improper Turning 6	Automobile Right-of-Way 5	Unsafe Speed 2	*			16
55-64	Improper Turning 3	Other Hazardous Viol. 2					8
65-74	*						4
75-84	*						2
85+							0
All Ages	Automobile Right-of-Way 38	Improper Turning 29	Wrong Side of Road 11	Other Hazardous Viol. 10	DUI Alcohol/Drugs 9	Traffic Signals & Signs 7	123

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single victim were not ranked.

† Tie

Table 6-2
Number of Pedalcycle Victims Killed or Injured in Pedalcycle Crashes
in the South Bay Region
by Age of Victim and Time of Week
July 1, 1998 to June 30, 1999

Age of Victim	Time of Week								Total	
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
1 to 4	1	(100.00%)*	0	(0.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
5 to 9	7	(58.33%)	0	(0.00%)	4	(33.33%)	1	(8.33%)	12	(100.%)
10 to 14	15	(83.33%)	1	(5.56%)	0	(0.00%)	2	(11.11%)	18	(100.%)
15 to 19	12	(70.59%)	5	(29.41%)	0	(0.00%)	0	(0.00%)	17	(100.%)
20 to 24	8	(72.73%)	1	(9.09%)	1	(9.09%)	1	(9.09%)	11	(100.%)
25 to 34	12	(70.59%)	2	(11.76%)	2	(11.76%)	1	(5.88%)	17	(100.%)
35 to 44	9	(52.94%)	5	(29.41%)	2	(11.76%)	1	(5.88%)	17	(100.%)
45 to 54	6	(37.50%)	2	(12.50%)	6	(37.50%)	2	(12.50%)	16	(100.%)
55 to 64	4	(50.00%)	0	(0.00%)	4	(50.00%)	0	(0.00%)	8	(100.%)
65 to 74	3	(75.00%)	0	(0.00%)	1	(25.00%)	0	(0.00%)	4	(100.%)
75 to 84	2	(100.00%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	2	(100.%)
Total	79	(64.23%)	16	(13.01%)	20	(16.26%)	8	(6.50%)	123	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

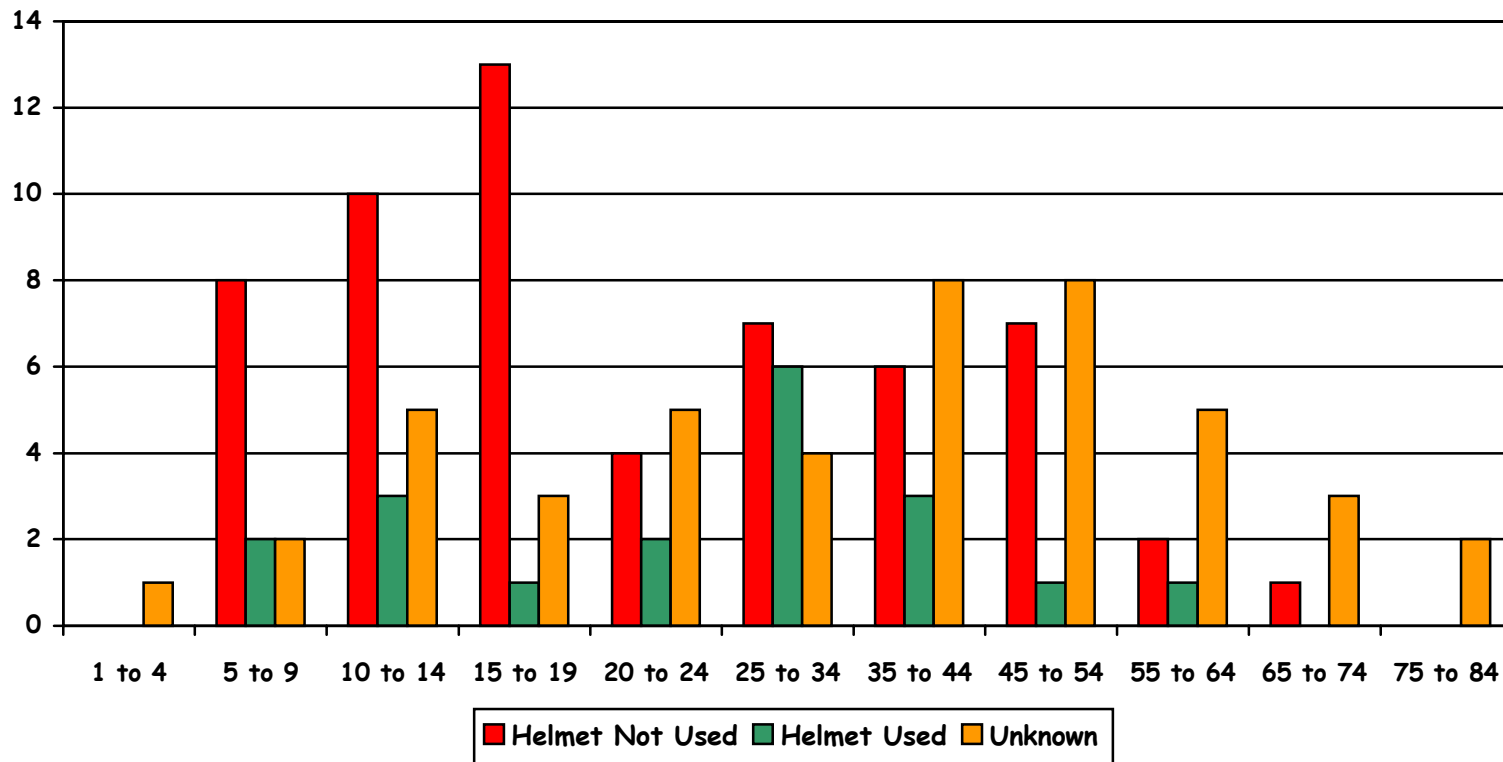
Table 6-3
Number of Pedalcycle Victims Killed or Injured in Pedalcycle Crashes
in the South Bay Region
by Age of Victim and First Weather Condition
July 1, 1998 to June 30, 1999

Age of Victim	First Weather Condition			Total
	Clear	Cloudy	Raining	
1 to 4	1 (100.00%)*	0 (0.00%)	0 (0.00%)	1 (100.%)
5 to 9	8 (66.67%)	3 (25.00%)	1 (8.33%)	12 (100.%)
10 to 14	15 (83.33%)	2 (11.11%)	1 (5.56%)	18 (100.%)
15 to 19	12 (70.59%)	5 (29.41%)	0 (0.00%)	17 (100.%)
20 to 24	10 (90.91%)	1 (9.09%)	0 (0.00%)	11 (100.%)
25 to 34	15 (88.24%)	2 (11.76%)	0 (0.00%)	17 (100.%)
35 to 44	13 (76.47%)	4 (23.53%)	0 (0.00%)	17 (100.%)
45 to 54	9 (56.25%)	7 (43.75%)	0 (0.00%)	16 (100.%)
55 to 64	6 (75.00%)	2 (25.00%)	0 (0.00%)	8 (100.%)
65 to 74	4 (100.00%)	0 (0.00%)	0 (0.00%)	4 (100.%)
75 to 84	1 (50.00%)	1 (50.00%)	0 (0.00%)	2 (100.%)
Total	94 (76.42%)	27 (21.95%)	2 (1.63%)	123 (100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Figure 6.1
Helmet Use by Age of Pedalcyclist Crash Victims
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 6-4
Number of Pedalcycle Victims Killed or Injured in Pedalcycle Crashes
in the South Bay Region
by Helmet Use and Severity of Injury
July 1, 1998 to June 30, 1999

Helmet Use	Severity of Injury								Total	
	Killed		Severe Injury		Other Visible Injury		Complaint of Pain			
Helmet Used	0	(0.00%)*	0	(0.00%)	12	(63.16%)	7	(36.84%)	19	(100.%)
Helmet Not Used	0	(0.00%)	6	(10.34%)	29	(50.00%)	23	(39.66%)	58	(100.%)
Unknown	0	(0.00%)	3	(6.52%)	28	(60.87%)	15	(32.61%)	46	(100.%)
Total	0	(0.%)	9	(7.32%)	69	(56.1%)	45	(36.59%)	123	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

7: PEDALCYCLE CRASHES

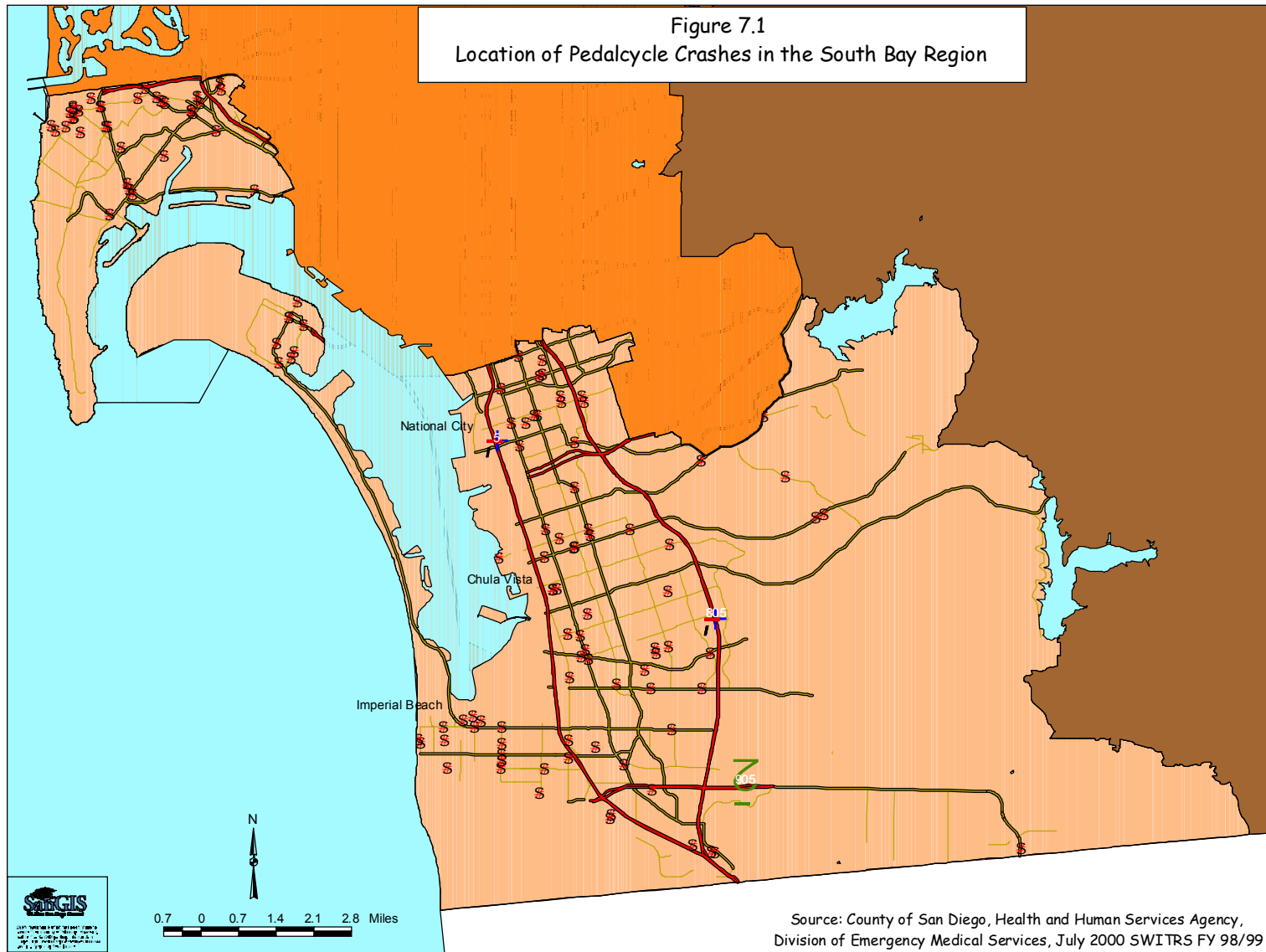


Table 7-1
Leading Violation Categories in Pedalcycle Crashes by Type of Party at Fault
South Bay Region

Type of Party at Fault	Rank of Violation Category						Total Number of Crashes
	1	2	3	4	5	6	
Pedalcycle at Fault	Automobile Right-of-Way 18	Improper Turning 16	Wrong Side of Road 10	Other Hazardous Viol. 6†	DUI Alcohol/Drugs 6†	Traffic Signals & Signs 6†	70
Other Party at Fault	Automobile Right-of-Way 19	Improper Turning 10	Other Hazardous Viol. 4	DUI Alcohol/Drugs 3†	Pedestrian Right-of-Way 3†	Traffic Signals & Signs 2	43
Fault Not Assigned	Improper Turning 2	*					10
All Crashes	Automobile Right-of-Way 37	Improper Turning 28	Wrong Side of Road 11	Other Hazardous Viol. 10	DUI Alcohol/Drugs 9	Traffic Signals & Signs 8	123

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single crash were not ranked.

† Tie

Table 7-2
Number of Pedalcycle Crashes in the South Bay Region
by First Weather Condition and Type of Party at Fault
July 1, 1998 to June 30, 1999

First Weather Condition	Fault in Pedalcycle Crash						Total	
	Pedalcycle at Fault		Other Party at Fault		Fault Not Assigned			
Clear	52	(55.91%)*	33	(35.48%)	8	(8.60%)	93	(100.%)
Cloudy	17	(60.71%)	9	(32.14%)	2	(7.14%)	28	(100.%)
Raining	1	(50.00%)	1	(50.00%)	0	(0.00%)	2	(100.%)
Total	70	(56.91%)	43	(34.96%)	10	(8.13%)	123	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 7-3
Number of Pedalcycle Crashes in the South Bay Region
by Time of Week and Type of Party at Fault
July 1, 1998 to June 30, 1999

Time of Week	Fault in Pedalcycle Crash						Total	
	Pedalcycle at Fault		Other Party at Fault		Fault Not Assigned			
Weekday-Daytime	42	(53.16%)*	29	(36.71%)	8	(10.13%)	79	(100.%)
Weekday-Nighttime	11	(68.75%)	5	(31.25%)	0	(0.00%)	16	(100.%)
Weekend-Daytime	14	(70.00%)	5	(25.00%)	1	(5.00%)	20	(100.%)
Weekend-Nighttime	3	(37.50%)	4	(50.00%)	1	(12.50%)	8	(100.%)
Total	70	(56.91%)	43	(34.96%)	10	(8.13%)	123	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 7-4
Number of Pedalcycle Crashes in the South Bay Region
by First Road Condition and Type of Party at Fault
July 1, 1998 to June 30, 1999

First Road Condition	Fault in Pedalcycle Crash						Total	
	Pedalcycle at Fault		Other Party at Fault		Fault Not Assigned			
Holes, Deep Ruts	0	(0.00%)*	1	(100.00%)	0	(0.00%)	1	(100.%)
Construction or Repair Zone	1	(100.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
Reduced Roadway Width	0	(0.00%)	1	(100.00%)	0	(0.00%)	1	(100.%)
Other	0	(0.00%)	1	(100.00%)	0	(0.00%)	1	(100.%)
No Unusual Condition	69	(57.98%)	40	(33.61%)	10	(8.40%)	119	(100.%)
Total	70	(56.91%)	43	(34.96%)	10	(8.13%)	123	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 7-5
Number of Pedalcycle Crashes in the South Bay Region
by Age and Gender of Party at Fault and Type of Party at Fault
July 1, 1998 to June 30, 1999

Age of Party at Fault	Fault in Pedalcycle Crash†							
	Pedalcycle at Fault				Other Party at Fault			
	Gender of Party at Fault††				Gender of Party at Fault††			
	Male		Female		Male		Female	
Not Stated	0	(0.00%)*	0	(0.00%)	1	(2.56%)	1	(2.56%)
5 to 9	8	(11.59%)	3	(4.35%)	0	(0.00%)	0	(0.00%)
10 to 14	8	(11.59%)	1	(1.45%)	0	(0.00%)	0	(0.00%)
15 to 19	11	(15.94%)	2	(2.90%)	3	(7.69%)	3	(7.69%)
20 to 24	5	(7.25%)	1	(1.45%)	1	(2.56%)	1	(2.56%)
25 to 34	7	(10.14%)	1	(1.45%)	3	(7.69%)	5	(12.82%)
35 to 44	6	(8.70%)	3	(4.35%)	5	(12.82%)	3	(7.69%)
45 to 54	4	(5.80%)	1	(1.45%)	2	(5.13%)	1	(2.56%)
55 to 64	4	(5.80%)	0	(0.00%)	4	(10.26%)	3	(7.69%)
65 to 74	3	(4.35%)	0	(0.00%)	2	(5.13%)	0	(0.00%)
75 to 84	1	(1.45%)	0	(0.00%)	1	(2.56%)	0	(0.00%)
Total	57	(82.61%)	12	(17.39%)	22	(56.41%)	17	(43.59%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are age and gender percents.

†Fault was not assigned in 10 crashes.

††Gender of party at fault was not stated for 1 pedalcyclist and 4 other parties.

8: PEDESTRIAN VICTIMS

Table 8-1
Leading Causes of Pedestrian Injuries by Age Group of Victim
South Bay Region

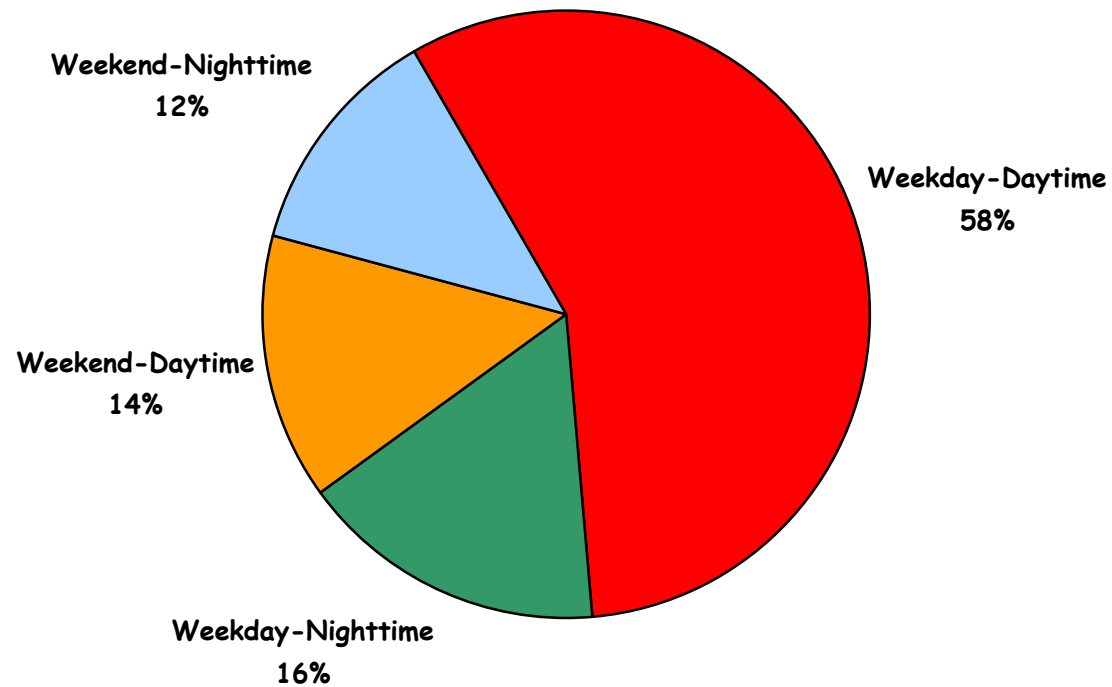
Age Group of Victim	Rank of Violation Category						Total Number of Victims
	1	2	3	4	5	6	
0-4	Pedestrian Violation 3	*					4
5-9	Pedestrian Violation 21	Pedestrian Right-of-Way 7	*				29
10-14	Pedestrian Violation 20	Pedestrian Right-of-Way 6	*				33
15-19	Pedestrian Violation 12	*					20
20-24	Pedestrian Violation 4	Pedestrian Right-of-Way 3	DUI Alcohol/Drugs 2	*			13
25-34	Pedestrian Violation 10	Pedestrian Right-of-Way 4	*				20
35-44	Pedestrian Violation 6	Pedestrian Right-of-Way 4	Peds UI Alcohol/Drugs 2†	DUI Alcohol/Drugs 2†	Automobile Right-of-Way 2†	*	22
45-54	Pedestrian Right-of-Way 4	Peds UI Alcohol/Drugs 2	*				12
55-64	Pedestrian Right-of-Way 6	Pedestrian Violation 5	Improper Turning 2	*			19
65-74	Pedestrian Violation 5	Pedestrian Right-of-Way 3	*				13
75-84	Pedestrian Right-of-Way 6	Pedestrian Violation 4	*				12
85+	Pedestrian Violation 3						3
All Ages	Pedestrian Violation 94	Pedestrian Right-of-Way 46	Peds UI Alcohol/Drugs 8	Improper Turning 7†	DUI Alcohol/Drugs 7†	Automobile Right-of-Way 6	202

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single victim were not ranked.

† Tie

Figure 8.1
Pedestrian Crash Victims by Time of Week
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

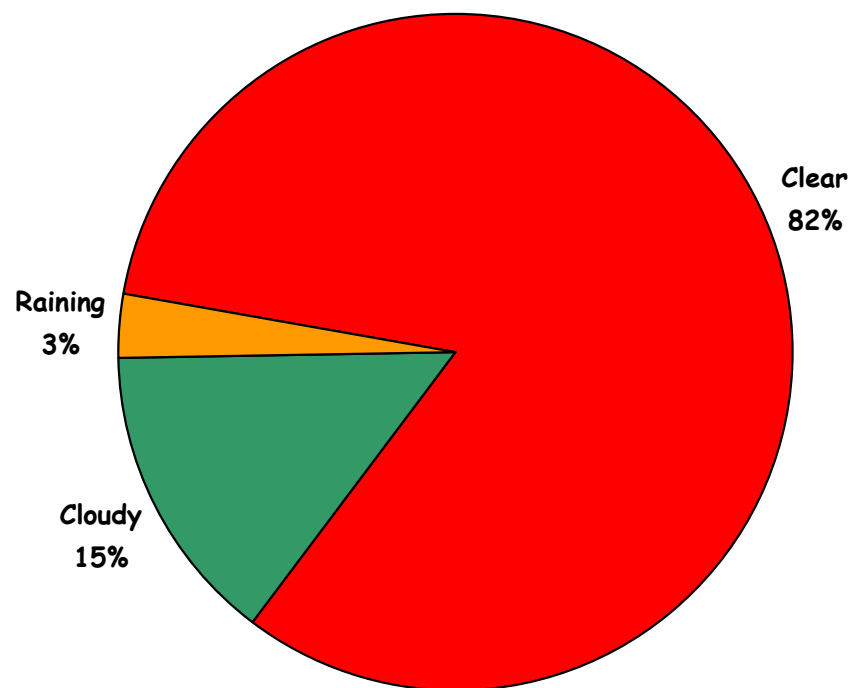
Table 8-2
Number of Pedestrian Victims Killed or Injured in Pedestrian Crashes
in the South Bay Region
by Age of Victim and Time of Week
July 1, 1998 to June 30, 1999

Age of Victim	Time of Week								Total	
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
1 to 4	4	(100.00%)*	0	(0.00%)	0	(0.00%)	0	(0.00%)	4	(100.%)
5 to 9	20	(68.97%)	3	(10.34%)	3	(10.34%)	3	(10.34%)	29	(100.%)
10 to 14	26	(78.79%)	3	(9.09%)	3	(9.09%)	1	(3.03%)	33	(100.%)
15 to 19	6	(30.00%)	7	(35.00%)	2	(10.00%)	5	(25.00%)	20	(100.%)
20 to 24	4	(30.77%)	4	(30.77%)	2	(15.38%)	3	(23.08%)	13	(100.%)
25 to 34	10	(50.00%)	2	(10.00%)	4	(20.00%)	4	(20.00%)	20	(100.%)
35 to 44	10	(45.45%)	5	(22.73%)	4	(18.18%)	3	(13.64%)	22	(100.%)
45 to 54	7	(58.33%)	2	(16.67%)	2	(16.67%)	1	(8.33%)	12	(100.%)
55 to 64	11	(57.89%)	5	(26.32%)	2	(10.53%)	1	(5.26%)	19	(100.%)
65 to 74	7	(53.85%)	0	(0.00%)	3	(23.08%)	3	(23.08%)	13	(100.%)
75 to 84	6	(50.00%)	2	(16.67%)	4	(33.33%)	0	(0.00%)	12	(100.%)
85 and older	2	(66.67%)	0	(0.00%)	0	(0.00%)	1	(33.33%)	3	(100.%)
Not stated	2	(100.00%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	2	(100.%)
Total	115	(56.93%)	33	(16.34%)	29	(14.36%)	25	(12.38%)	202	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Figure 8.2
Pedestrian Crash Victims by First Weather Condition
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 8-3
Number of Pedestrian Victims Killed or Injured in Pedestrian Crashes
in the South Bay Region
by Age of Victim and Type of Party at Fault
July 1, 1998 to June 30, 1999

Age of Victim	Fault in Pedestrian Crash						Total	
	Pedestrian at Fault		Other Party at Fault		Fault Not Assigned			
1 to 4	3	(75.00%)*	1	(25.00%)	0	(0.00%)	4	(100.%)
5 to 9	18	(62.07%)	9	(31.03%)	2	(6.90%)	29	(100.%)
10 to 14	18	(54.55%)	12	(36.36%)	3	(9.09%)	33	(100.%)
15 to 19	11	(55.00%)	5	(25.00%)	4	(20.00%)	20	(100.%)
20 to 24	5	(38.46%)	8	(61.54%)	0	(0.00%)	13	(100.%)
25 to 34	9	(45.00%)	8	(40.00%)	3	(15.00%)	20	(100.%)
35 to 44	7	(31.82%)	11	(50.00%)	4	(18.18%)	22	(100.%)
45 to 54	4	(33.33%)	8	(66.67%)	0	(0.00%)	12	(100.%)
55 to 64	5	(26.32%)	12	(63.16%)	2	(10.53%)	19	(100.%)
65 to 74	2	(15.38%)	10	(76.92%)	1	(7.69%)	13	(100.%)
75 to 84	4	(33.33%)	8	(66.67%)	0	(0.00%)	12	(100.%)
85 and older	3	(100.00%)	0	(0.00%)	0	(0.00%)	3	(100.%)
Not stated	1	(50.00%)	1	(50.00%)	0	(0.00%)	2	(100.%)
Total	90	(44.55%)	93	(46.04%)	19	(9.41%)	202	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

9: PEDESTRIAN CRASHES

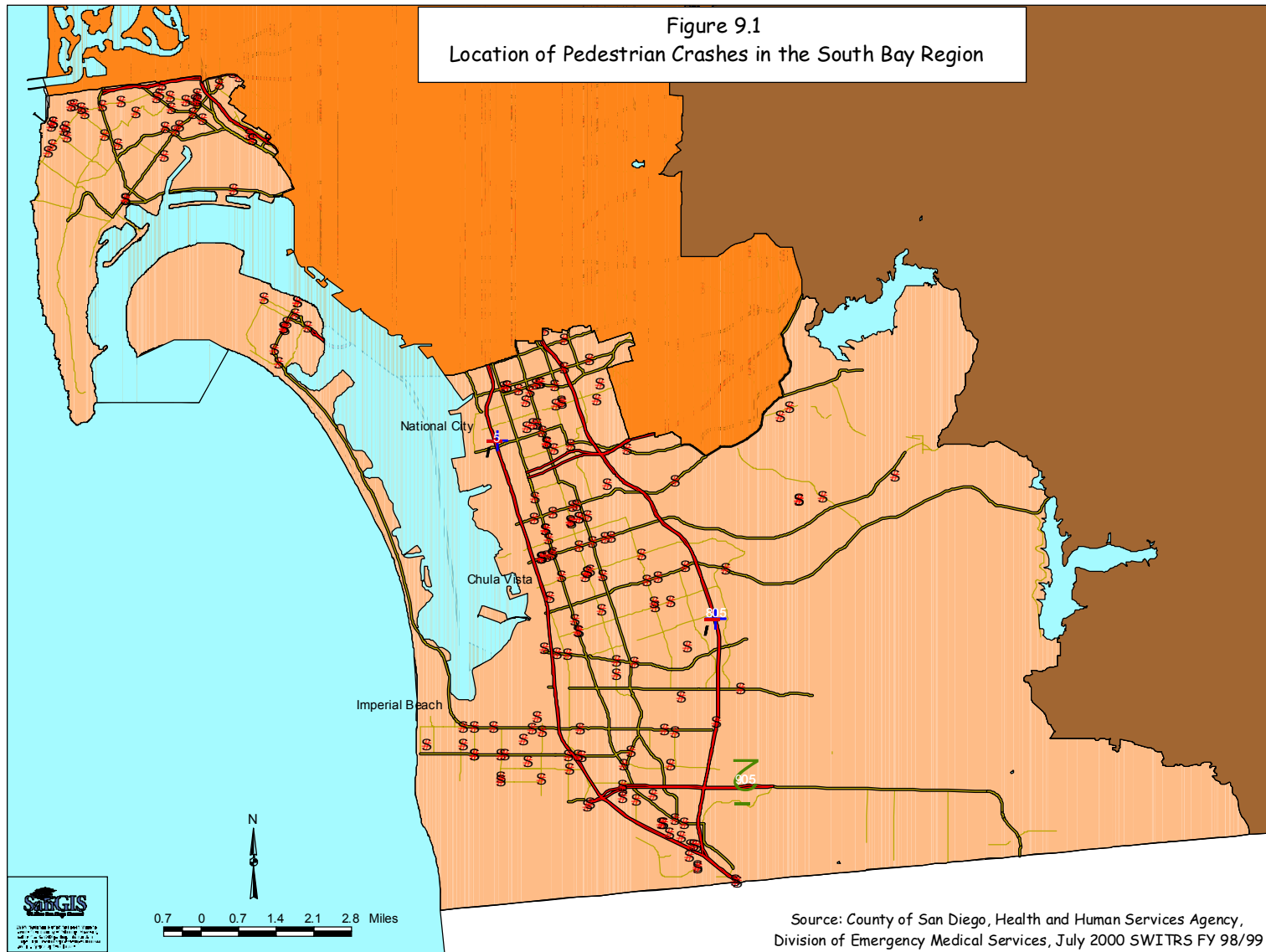


Table 9-1
Leading Violation Categories in Pedestrian Crashes by Age of Party at Fault
South Bay Region

Age of Party at Fault	Rank of Violation Category						Total Number of Crashes
	1	2	3	4	5	6	
0-4	Pedestrian Violation 3						3
5-9	Pedestrian Violation 18						18
10-14	Pedestrian Violation 16	§					17
15-19	Pedestrian Violation 11	Pedestrian Right-of-Way 4	Improper Turning 2	*			21
20-24	Pedestrian Right-of-Way 6	Pedestrian Violation 4	Unsafe Speed 2	*			16
25-34	Pedestrian Violation 12	Pedestrian Right-of-Way 5	Unsafe Start/Backup 2	*			21
35-44	Pedestrian Violation 4†	Pedestrian Right-of-Way 4†	Peds UI Alcohol/Drugs 2†	DUI Alcohol/Drugs 2†	*		20
45-54	Peds UI Alcohol/Drugs 2	*					6
55-64	Pedestrian Violation 5	Pedestrian Right-of-Way 2	*				8
65-74	Pedestrian Right-of-Way 4	Pedestrian Violation 2	*				7
75-84	Pedestrian Violation 3†	Pedestrian Right-of-Way 3†	*				7
85+	Pedestrian Violation 3						3
All Crashes	Pedestrian Violation 92	Pedestrian Right-of-Way 43	Peds UI Alcohol/Drugs 8	Improper Turning 7	DUI Alcohol/Drugs 6†	Automobile Right-of-Way 6†	195

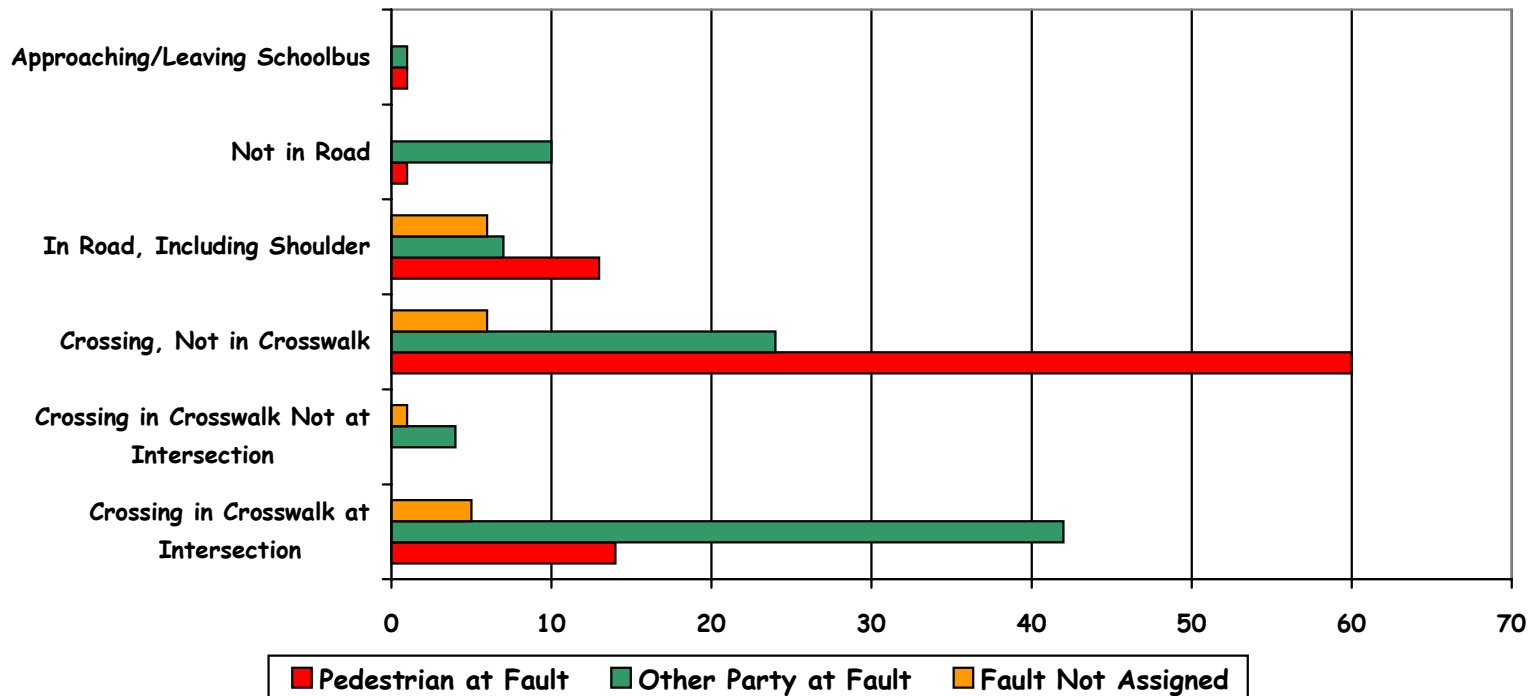
Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single crash were not ranked.

† Tie

§ Violation category unknown for other victims.

Figure 9.2
Pedestrian Action by Type of Party at Fault
South Bay Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 9-2a
Number of Pedestrian Crashes in the South Bay Region
by Age of Party at Fault and Pedestrian Action
In Crashes Where the Pedestrian Was at Fault †
July 1, 1998 to June 30, 1999

Age of Party at Fault	Pedestrian Action						Total
	Crossing in Crosswalk at Intersection	Crossing in Crosswalk Not at Intersection	Crossing, Not in Crosswalk	In Road, Including Shoulder	Not in Road	Approaching/ Leaving Schoolbus	
Not Stated	1	0	0	1	0	0	2
	(50.00%)*	(0.00%)	(0.00%)	(50.00%)	(0.00%)	(0.00%)	(100.%)
1 to 4	0	0	3	0	0	0	3
	(0.00%)	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
5 to 9	2	0	15	1	0	0	18
	(11.11%)	(0.00%)	(83.33%)	(5.56%)	(0.00%)	(0.00%)	(100.%)
10 to 14	3	0	10	4	0	0	17
	(17.65%)	(0.00%)	(58.82%)	(23.53%)	(0.00%)	(0.00%)	(100.%)
15 to 19	1	0	9	1	0	0	11
	(9.09%)	(0.00%)	(81.82%)	(9.09%)	(0.00%)	(0.00%)	(100.%)
20 to 24	1	0	3	1	0	0	5
	(20.00%)	(0.00%)	(60.00%)	(20.00%)	(0.00%)	(0.00%)	(100.%)
25 to 34	0	0	5	3	1	0	9
	(0.00%)	(0.00%)	(55.56%)	(33.33%)	(11.11%)	(0.00%)	(100.%)
35 to 44	2	0	3	1	0	0	6
	(33.33%)	(0.00%)	(50.00%)	(16.67%)	(0.00%)	(0.00%)	(100.%)
45 to 54	1	0	2	1	0	0	4
	(25.00%)	(0.00%)	(50.00%)	(25.00%)	(0.00%)	(0.00%)	(100.%)
55 to 64	1	0	4	0	0	0	5
	(20.00%)	(0.00%)	(80.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
65 to 74	0	0	2	0	0	0	2
	(0.00%)	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
75 to 84	1	0	2	0	0	1	4
	(25.00%)	(0.00%)	(50.00%)	(0.00%)	(0.00%)	(25.00%)	(100.%)
85 and older	1	0	2	0	0	0	3
	(33.33%)	(0.00%)	(66.67%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
Total	14	0	60	13	1	1	89
	(15.73%)	(0.00%)	(67.42%)	(14.61%)	(1.12%)	(1.12%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

†There were 88 crashes where the other party was at fault and 18 crashes where fault was not assigned.

Table 9-2b
Number of Pedestrian Crashes in the South Bay Region
by Age of Party at Fault and Pedestrian Action
In Crashes Where the Other Party Was at Fault †
July 1, 1998 to June 30, 1999

Age of Party at Fault	Pedestrian Action						Total
	Crossing in Crosswalk at Intersection	Crossing in Crosswalk Not at Intersection	Crossing, Not in Crosswalk	In Road, Including Shoulder	Not in Road	Approaching/ Leaving Schoolbus	
Not Stated	15	0	7	2	4	0	28
	(53.57%)*	(0.00%)	(25.00%)	(7.14%)	(14.29%)	(0.00%)	(100.%)
15 to 19	4	1	1	3	1	0	10
	(40.00%)	(10.00%)	(10.00%)	(30.00%)	(10.00%)	(0.00%)	(100.%)
20 to 24	8	0	2	1	0	0	11
	(72.73%)	(0.00%)	(18.18%)	(9.09%)	(0.00%)	(0.00%)	(100.%)
25 to 34	5	1	4	0	2	0	12
	(41.67%)	(8.33%)	(33.33%)	(0.00%)	(16.67%)	(0.00%)	(100.%)
35 to 44	3	1	7	1	2	0	14
	(21.43%)	(7.14%)	(50.00%)	(7.14%)	(14.29%)	(0.00%)	(100.%)
45 to 54	0	0	2	0	0	0	2
	(0.00%)	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
55 to 64	2	1	0	0	0	0	3
	(66.67%)	(33.33%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
65 to 74	3	0	1	0	0	1	5
	(60.00%)	(0.00%)	(20.00%)	(0.00%)	(0.00%)	(20.00%)	(100.%)
75 to 84	2	0	0	0	1	0	3
	(66.67%)	(0.00%)	(0.00%)	(0.00%)	(33.33%)	(0.00%)	(100.%)
Total	42	4	24	7	10	1	88
	(47.73%)	(4.55%)	(27.27%)	(7.95%)	(11.36%)	(1.14%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

†There were 89 crashes where the pedestrian was at fault and 18 crashes where fault was not assigned.

Table 9-3
Number of Pedestrian Crashes in the South Bay Region
by Age of Party at Fault and First Weather Condition
July 1, 1998 to June 30, 1999

Age of Party at Fault	First Weather Condition					Total
	Not Stated	Clear	Cloudy	Raining	Other	
Not Stated	0 (0.00%)*	23 (76.67%)	5 (16.67%)	1 (3.33%)	1 (3.33%)	30 (100.%)
1 to 4	0 (0.00%)	3 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (100.%)
5 to 9	0 (0.00%)	12 (66.67%)	5 (27.78%)	1 (5.56%)	0 (0.00%)	18 (100.%)
10 to 14	0 (0.00%)	14 (82.35%)	3 (17.65%)	0 (0.00%)	0 (0.00%)	17 (100.%)
15 to 19	0 (0.00%)	19 (90.48%)	2 (9.52%)	0 (0.00%)	0 (0.00%)	21 (100.%)
20 to 24	0 (0.00%)	12 (75.00%)	2 (12.50%)	2 (12.50%)	0 (0.00%)	16 (100.%)
25 to 34	0 (0.00%)	19 (90.48%)	2 (9.52%)	0 (0.00%)	0 (0.00%)	21 (100.%)
35 to 44	0 (0.00%)	18 (90.00%)	1 (5.00%)	1 (5.00%)	0 (0.00%)	20 (100.%)
45 to 54	0 (0.00%)	4 (66.67%)	2 (33.33%)	0 (0.00%)	0 (0.00%)	6 (100.%)
55 to 64	0 (0.00%)	5 (62.50%)	2 (25.00%)	1 (12.50%)	0 (0.00%)	8 (100.%)
65 to 74	0 (0.00%)	7 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	7 (100.%)
75 to 84	0 (0.00%)	5 (71.43%)	2 (28.57%)	0 (0.00%)	0 (0.00%)	7 (100.%)
85 and older	0 (0.00%)	2 (66.67%)	1 (33.33%)	0 (0.00%)	0 (0.00%)	3 (100.%)
Fault Not Assigned	1 (5.56%)	16 (88.89%)	1 (5.56%)	0 (0.00%)	0 (0.00%)	18 (100.%)
Total	1 (0.51%)	159 (81.54%)	28 (14.36%)	6 (3.08%)	1 (0.51%)	195 (100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 9-4
Number of Pedestrian Crashes in the South Bay Region
by Age and Gender of Party at Fault and Type of Party at Fault
July 1, 1998 to June 30, 1999

Age of Party at Fault	Fault in Pedestrian Crash†					
	Pedestrian at Fault			Other Party at Fault		
	Gender of Party at Fault††			Gender of Party at Fault††		
	Male		Female	Male		Female
Not Stated	1	(1.12%)*	1 (1.12%)	8 (10.96%)	5 (6.85%)	
1 to 4	1	(1.12%)	2 (2.25%)	0 (0.00%)	0 (0.00%)	
5 to 9	16	(17.98%)	2 (2.25%)	0 (0.00%)	0 (0.00%)	
10 to 14	12	(13.48%)	5 (5.62%)	0 (0.00%)	0 (0.00%)	
15 to 19	8	(8.99%)	3 (3.37%)	7 (9.59%)	3 (4.11%)	
20 to 24	3	(3.37%)	2 (2.25%)	7 (9.59%)	4 (5.48%)	
25 to 34	3	(3.37%)	6 (6.74%)	5 (6.85%)	7 (9.59%)	
35 to 44	3	(3.37%)	3 (3.37%)	9 (12.33%)	5 (6.85%)	
45 to 54	2	(2.25%)	2 (2.25%)	2 (2.74%)	0 (0.00%)	
55 to 64	4	(4.49%)	1 (1.12%)	2 (2.74%)	1 (1.37%)	
65 to 74	1	(1.12%)	1 (1.12%)	3 (4.11%)	2 (2.74%)	
75 to 84	2	(2.25%)	2 (2.25%)	1 (1.37%)	2 (2.74%)	
85 and older	1	(1.12%)	2 (2.25%)	0 (0.00%)	0 (0.00%)	
Total	57	(64.04%)	32 (35.96%)	44 (60.27%)	29 (39.73%)	

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are age and gender percents.

†Fault was not assigned in 18 crashes.

††Gender of party at fault was not stated for 15 other parties.



REPORT OF FATAL AND INJURY TRAFFIC COLLISIONS

++++

EAST COUNTY REGION

Fiscal Year 1998 - 1999

*Produced by the County of San Diego, Health and Human Services Agency,
Division of Emergency Medical Services, January 2001*

*Funding for this program was provided by a grant from the California Office of Traffic Safety
through the Business, Transportation & Housing Agency*

1: OVERVIEW

Table 1-1
Number of Victims Killed or Injured in Crashes in the East County Region
by Type of Crash and Type of Victim
July 1, 1998 to June 30, 1999

Type of Crash	Type of Victim								Total	
	Motor Vehicle Occupant	Motorcyclist	Pedestrian	Pedalcyclist	Other					
Motor Vehicle Occupant	3359† (99.79%)*	0 (0.00%)	7 (0.21%)	0 (0.00%)	0 (0.00%)				3366	(100.%)
Motorcycle	4 (2.80%)	139† (97.20%)	0 (0.00%)	0 (0.00%)	0 (0.00%)				143	(100.%)
Pedalcycle	0 (0.00%)	1 (0.68%)	1 (0.68%)	146† (98.65%)	0 (0.00%)				148	(100.%)
Pedestrian	4 (2.34%)	0 (0.00%)	167† (97.66%)	0 (0.00%)	0 (0.00%)				171	(100.%)
Other	3 (8.82%)	0 (0.00%)	3 (8.82%)	26 (76.47%)	2 (5.88%)				34	(100.%)
Total	3370 (87.26%)	140 (3.63%)	178 (4.61%)	172 (4.45%)	2 (0.05%)				3862	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

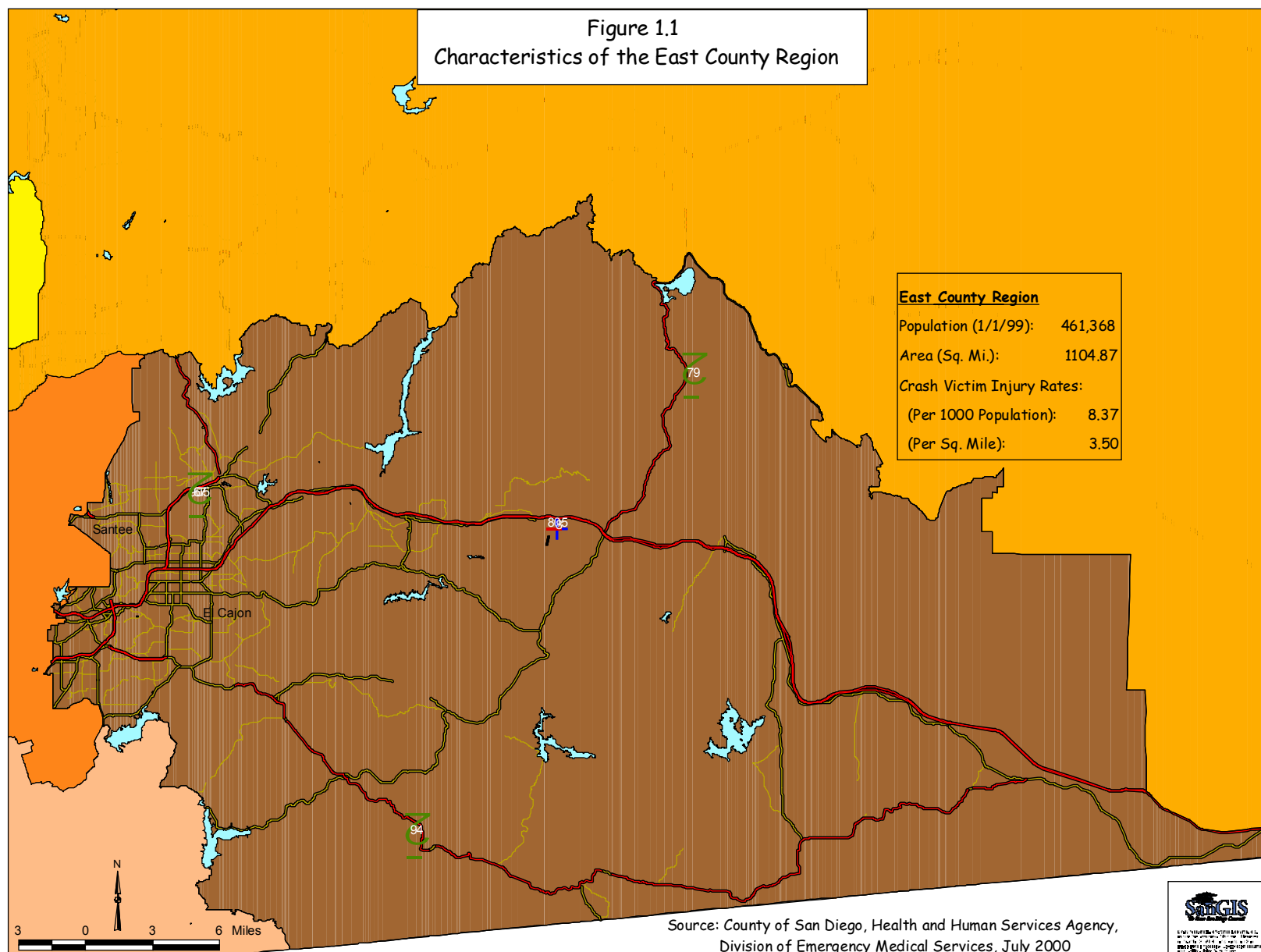
†These are the victims included in the tables in sections 2, 4, 6, and 8.

Table 1-2
Number of Victims Killed or Injured in Crashes in the East County Region
by Type of Crash and Severity of Injury
July 1, 1998 to June 30, 1999

Type of Crash	Severity of Injury								Total	
	Killed	Severe Injury	Other Visible Injury	Complaint of Pain						
Motor Vehicle Occupant	33 (0.98%)*	157 (4.66%)	960 (28.52%)	2216 (65.83%)					3366	(100.%)
Motorcycle	3 (2.10%)	27 (18.88%)	78 (54.55%)	35 (24.48%)					143	(100.%)
Pedalcycle	1 (0.68%)	14 (9.46%)	91 (61.49%)	42 (28.38%)					148	(100.%)
Pedestrian	12 (7.02%)	43 (25.15%)	65 (38.01%)	51 (29.82%)					171	(100.%)
Other	0 (0.00%)	8 (23.53%)	19 (55.88%)	7 (20.59%)					34	(100.%)
Total	49 (1.27%)	249 (6.45%)	1213 (31.41%)	2351 (60.88%)					3862	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.



2: MOTOR VEHICLE OCCUPANT VICTIMS

Table 2-1
Leading Causes of Motor Vehicle Occupant Injuries by Age Group of Victim
East County Region

Age Group of Victim	Rank of Violation Category						Total Number of Victims
	1	2	3	4	5	6	
0-4	Unsafe Speed 21	Automobile Right-of-Way 14	Traffic Signals & Signs 7	Improper Turning 6	DUI Alcohol/Drugs 4†	Wrong Side of Road 4†	63
5-9	Unsafe Speed 34	Automobile Right-of-Way 23	Improper Turning 13	Traffic Signals & Signs 12	Following Too Closely 10	DUI Alcohol/Drugs 6	109
10-14	Unsafe Speed 52	Automobile Right-of-Way 24	Improper Turning 13	DUI Alcohol/Drugs 9†	Unsafe Start/Backup 9†	Traffic Signals & Signs 7	133
15-19	Unsafe Speed 166	Automobile Right-of-Way 115	Improper Turning 84	DUI Alcohol/Drugs 52	Traffic Signals & Signs 37	Wrong Side of Road 23	553
20-24	Unsafe Speed 121	Automobile Right-of-Way 84	DUI Alcohol/Drugs 57	Improper Turning 43	Traffic Signals & Signs 33	Wrong Side of Road 16	417
25-34	Unsafe Speed 221	Automobile Right-of-Way 122	DUI Alcohol/Drugs 85	Improper Turning 54	Traffic Signals & Signs 49	Wrong Side of Road 28	643
35-44	Unsafe Speed 188	Automobile Right-of-Way 102	DUI Alcohol/Drugs 84	Improper Turning 56	Traffic Signals & Signs 45	Wrong Side of Road 25	566
45-54	Unsafe Speed 141	Automobile Right-of-Way 59	Traffic Signals & Signs 44	DUI Alcohol/Drugs 38	Improper Turning 35	Wrong Side of Road 17	394
55-64	Unsafe Speed 68	Automobile Right-of-Way 48	Traffic Signals & Signs 16	Improper Turning 15	DUI Alcohol/Drugs 13†	Wrong Side of Road 13†	203
65-74	Unsafe Speed 45	Automobile Right-of-Way 29	Traffic Signals & Signs 15	DUI Alcohol/Drugs 11	Improper Turning 8	Wrong Side of Road 6	140
75-84	Unsafe Speed 27	Automobile Right-of-Way 20	Traffic Signals & Signs 11	Improper Turning 9	DUI Alcohol/Drugs 4	**	89
85+	Automobile Right-of-Way 12	Traffic Signals & Signs 4	Wrong Side of Road 3	Unsafe Speed 2	*		24
All Ages	Unsafe Speed 1093	Automobile Right-of-Way 657	DUI Alcohol/Drugs 365	Improper Turning 338	Traffic Signals & Signs 286	Wrong Side of Road 147	3359

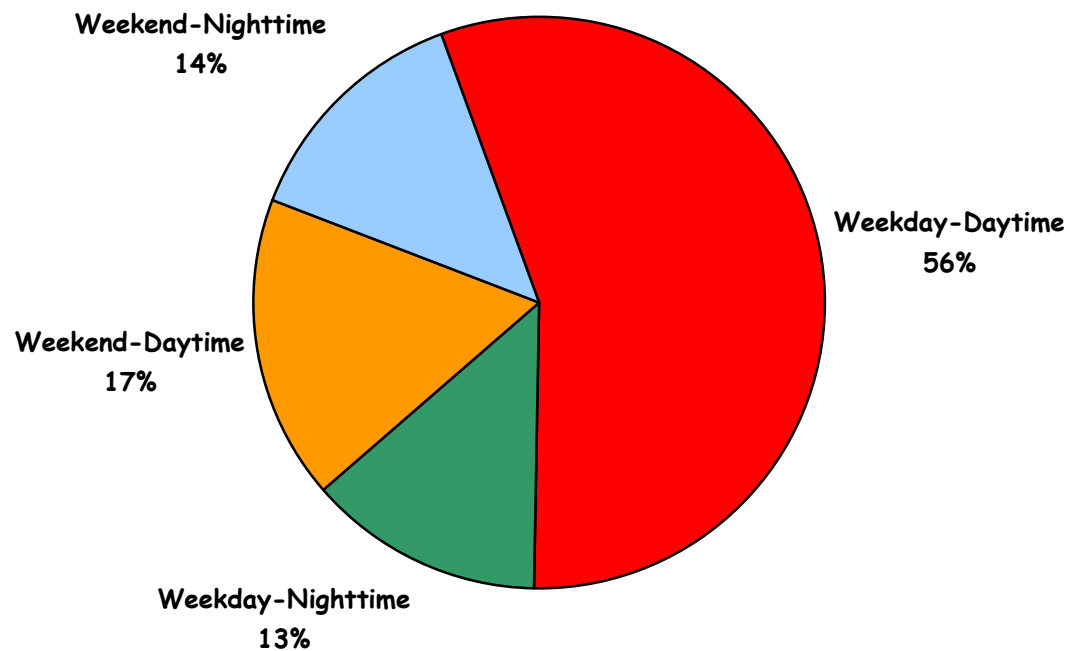
Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single victim were not ranked.

** Multiple violation categories with the same number of victims were not listed due to space limitations.

† Tie

Figure 2.1
Motor Vehicle Occupant Crash Victims by Time of Week
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

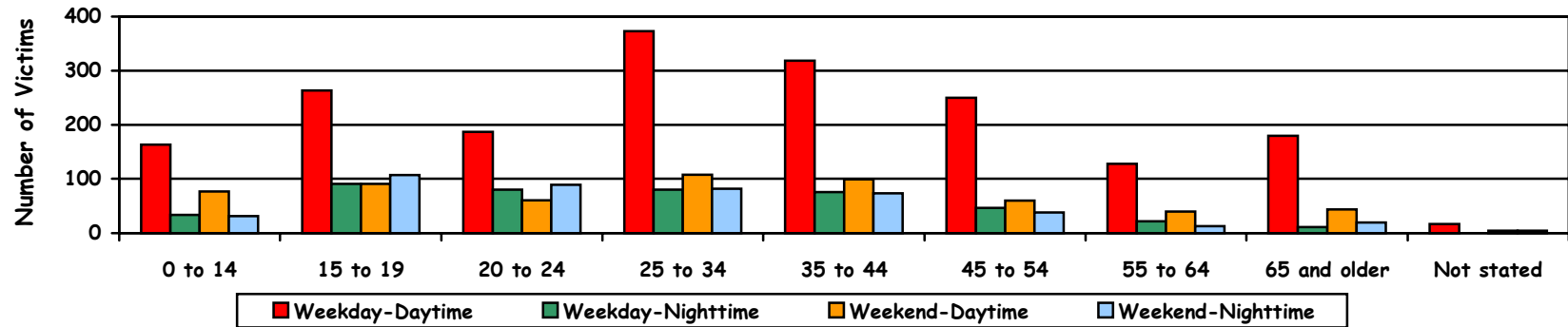
Table 2-2
Number of Motor Vehicle Occupant Victims Killed or Injured
in Motor Vehicle Occupant Crashes in the East County Region
by Age of Victim and Time of Week
July 1, 1998 to June 30, 1999

Age of Victim	Time of Week							Total		
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
1 to 4	36	(57.14%)*	8	(12.70%)	15	(23.81%)	4	(6.35%)	63	(100.%)
5 to 9	58	(53.21%)	8	(7.34%)	32	(29.36%)	11	(10.09%)	109	(100.%)
10 to 14	69	(51.88%)	18	(13.53%)	30	(22.56%)	16	(12.03%)	133	(100.%)
15 to 19	264	(47.74%)	91	(16.46%)	91	(16.46%)	107	(19.35%)	553	(100.%)
20 to 24	187	(44.84%)	80	(19.18%)	61	(14.63%)	89	(21.34%)	417	(100.%)
25 to 34	373	(58.01%)	80	(12.44%)	108	(16.80%)	82	(12.75%)	643	(100.%)
35 to 44	318	(56.18%)	76	(13.43%)	99	(17.49%)	73	(12.90%)	566	(100.%)
45 to 54	250	(63.45%)	46	(11.68%)	60	(15.23%)	38	(9.64%)	394	(100.%)
55 to 64	128	(63.05%)	22	(10.84%)	40	(19.70%)	13	(6.40%)	203	(100.%)
65 to 74	100	(71.43%)	7	(5.00%)	24	(17.14%)	9	(6.43%)	140	(100.%)
75 to 84	64	(71.91%)	3	(3.37%)	15	(16.85%)	7	(7.87%)	89	(100.%)
85 and older	15	(62.50%)	1	(4.17%)	5	(20.83%)	3	(12.50%)	24	(100.%)
Not stated	17	(68.00%)	0	(0.00%)	4	(16.00%)	4	(16.00%)	25	(100.%)
Total	1879	(55.94%)	440	(13.10%)	584	(17.39%)	456	(13.58%)	3359	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

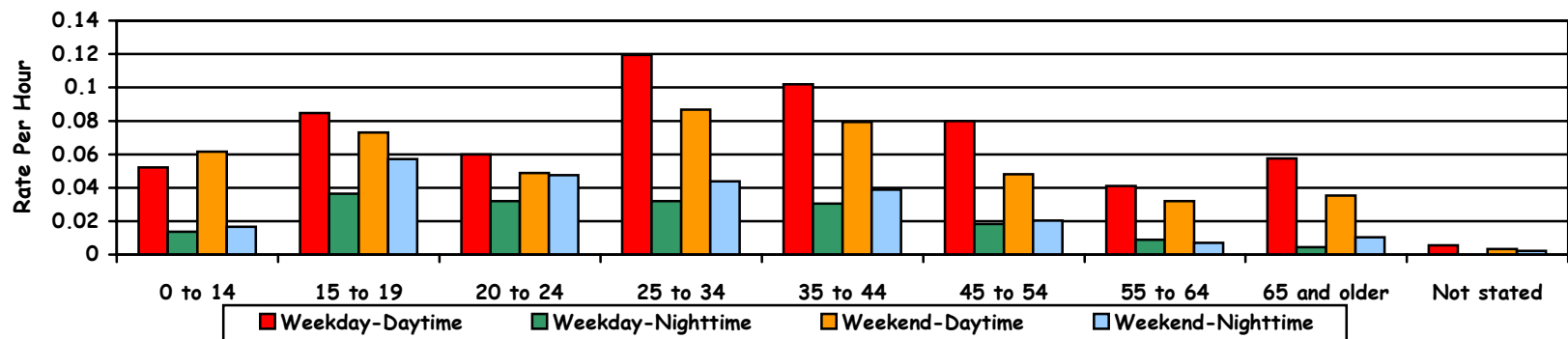
*Numbers in parentheses are row percents.

Figure 2.2
Motor Vehicle Occupant Crash Victims by Time of Week and Age of Victim
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Figure 2.3
Motor Vehicle Occupant Victim Rates Per Hour by Time of Week and Age of Victim
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 2-3
Number of Motor Vehicle Occupant Victims Killed or Injured
in Motor Vehicle Occupant Crashes in the East County Region
by Type of Collision and Severity of Injury
July 1, 1998 to June 30, 1999

Type of Collision	Severity of Injury								Total	
	Killed		Severe Injury		Other Visible Injury		Complaint of Pain			
Head-on	5	(2.02%)*	17	(6.85%)	86	(34.68%)	140	(56.45%)	248	(100.%)
Sideswipe	2	(1.00%)	7	(3.48%)	59	(29.35%)	133	(66.17%)	201	(100.%)
Rear-end	1	(0.09%)	20	(1.72%)	156	(13.43%)	985	(84.77%)	1162	(100.%)
Broadside	7	(0.69%)	35	(3.44%)	280	(27.56%)	694	(68.31%)	1016	(100.%)
Hit Object	16	(2.85%)	54	(9.63%)	292	(52.05%)	199	(35.47%)	561	(100.%)
Overtuned	1	(0.72%)	20	(14.49%)	72	(52.17%)	45	(32.61%)	138	(100.%)
Other	1	(3.03%)	3	(9.09%)	13	(39.39%)	16	(48.48%)	33	(100.%)
Total	33	(0.98%)	156	(4.64%)	958	(28.52%)	2212	(65.85%)	3359	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 2-4
Number of Motor Vehicle Occupant Victims Killed or Injured
in Motor Vehicle Occupant Crashes in the East County Region
by Age of Victim and Safety Equipment Used
July 1, 1998 to June 30, 1999

Age of Victim	Safety Equipment Used									Total
	Active Restraint - Used	Active Restraint - Not Used	Passive Restraint - Used/ Deployed	Passive Restraint - Not Used/ Deployed	Child Restraint - Used	Child Restraint - Improper Use	None in Vehicle	Unknown	Other/Not Required	
1 to 4	26 (41.27%)*	0 (0.00%)	1 (1.59%)	0 (0.00%)	28 (44.44%)	2 (3.17%)	3 (4.76%)	3 (4.76%)	0 (0.00%)	63 (100.%)
5 to 9	96 (88.07%)	7 (6.42%)	1 (0.92%)	0 (0.00%)	3 (2.75%)	0 (0.00%)	1 (0.92%)	0 (0.00%)	1 (0.92%)	109 (100.%)
10 to 14	106 (79.70%)	16 (12.03%)	2 (1.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	6 (4.51%)	3 (2.26%)	0 (0.00%)	133 (100.%)
15 to 19	428 (77.40%)	59 (10.67%)	42 (7.59%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	13 (2.35%)	7 (1.27%)	4 (0.72%)	553 (100.%)
20 to 24	327 (78.42%)	25 (6.00%)	39 (9.35%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	9 (2.16%)	14 (3.36%)	3 (0.72%)	417 (100.%)
25 to 34	508 (79.00%)	39 (6.07%)	55 (8.55%)	1 (0.16%)	0 (0.00%)	0 (0.00%)	13 (2.02%)	24 (3.73%)	3 (0.47%)	643 (100.%)
35 to 44	472 (83.39%)	24 (4.24%)	39 (6.89%)	5 (0.88%)	1 (0.18%)	0 (0.00%)	5 (0.88%)	15 (2.65%)	5 (0.88%)	566 (100.%)
45 to 54	323 (81.98%)	22 (5.58%)	33 (8.38%)	3 (0.76%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	10 (2.54%)	3 (0.76%)	394 (100.%)
55 to 64	173 (85.22%)	4 (1.97%)	19 (9.36%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	6 (2.96%)	1 (0.49%)	203 (100.%)
65 to 74	120 (85.71%)	5 (3.57%)	11 (7.86%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (2.86%)	0 (0.00%)	140 (100.%)
75 to 84	77 (86.52%)	3 (3.37%)	9 (10.11%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	89 (100.%)
85 and older	19 (79.17%)	1 (4.17%)	3 (12.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (4.17%)	0 (0.00%)	24 (100.%)
Not stated	18 (72.00%)	1 (4.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (4.00%)	5 (20.00%)	0 (0.00%)	25 (100.%)
Total	2693 (80.17%)	206 (6.13%)	254 (7.56%)	9 (0.27%)	32 (0.95%)	2 (0.06%)	51 (1.52%)	92 (2.74%)	20 (0.60%)	3359 (100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

3: MOTOR VEHICLE OCCUPANT CRASHES

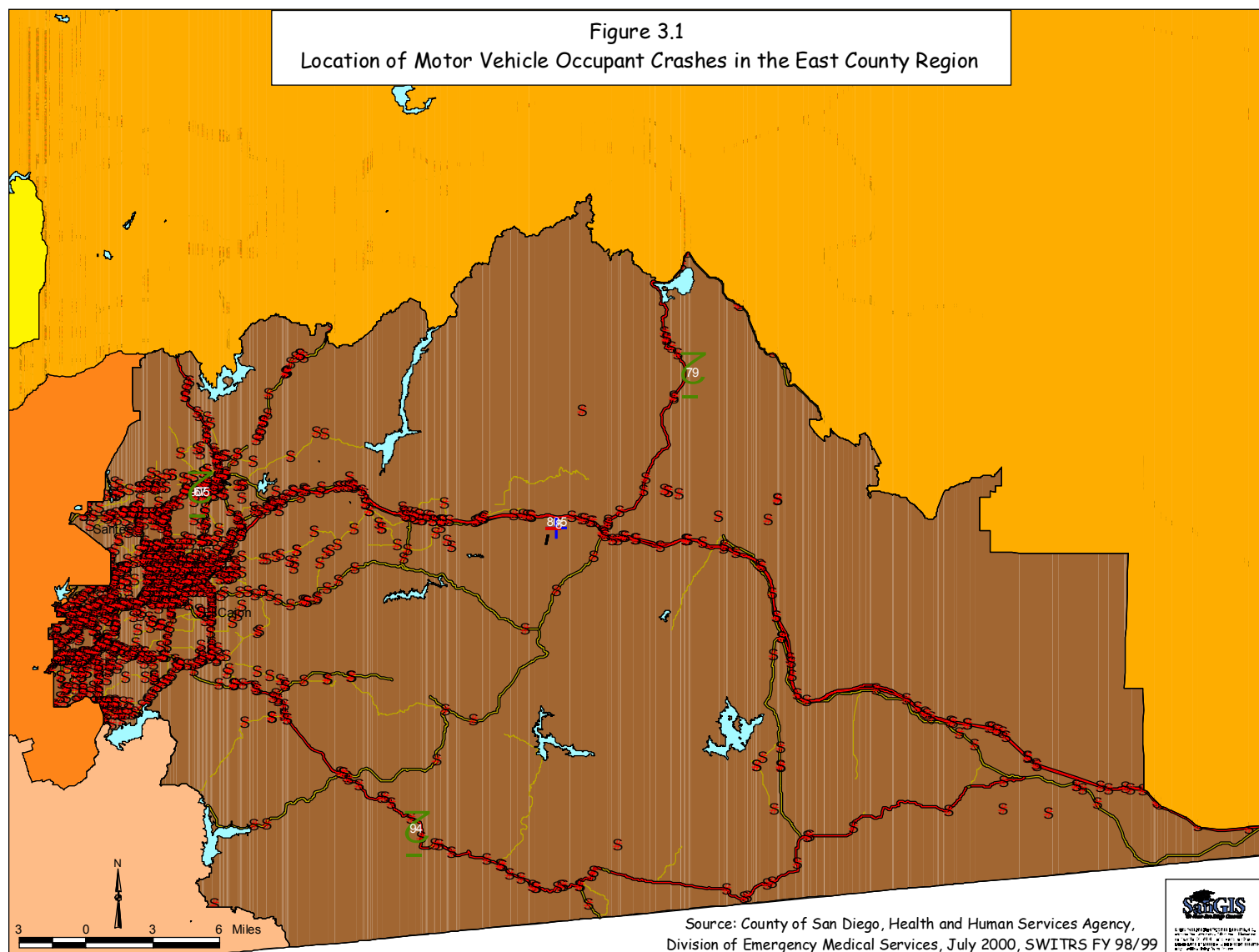


Table 3-1
Leading Violation Categories in Motor Vehicle Occupant Crashes by Age of Party at Fault
East County Region

Age of Party at Fault	Rank of Violation Category						Total Number of Crashes
	1	2	3	4	5	6	
10-14	Improper Turning 2	*					3
15-19	Unsafe Speed 136	Automobile Right-of-Way 69	Improper Turning 59	Traffic Signals & Signs 21	DUI Alcohol/Drugs 19	Wrong Side of Road 15	359
20-24	Unsafe Speed 90	Automobile Right-of-Way 50	DUI Alcohol/Drugs 35†	Improper Turning 35†	Traffic Signals & Signs 26	**	286
25-34	Unsafe Speed 140	Automobile Right-of-Way 64	DUI Alcohol/Drugs 51	Traffic Signals & Signs 31	Improper Turning 29	Wrong Side of Road 16	368
35-44	Unsafe Speed 111	DUI Alcohol/Drugs 63	Automobile Right-of-Way 62	Improper Turning 32	Wrong Side of Road 21	Traffic Signals & Signs 20	351
45-54	Unsafe Speed 72	Automobile Right-of-Way 52	DUI Alcohol/Drugs 32	Improper Turning 26	Traffic Signals & Signs 16	Wrong Side of Road 11	236
55-64	Unsafe Speed 30	Automobile Right-of-Way 26	Traffic Signals & Signs 14	DUI Alcohol/Drugs 12	Improper Turning 9	Wrong Side of Road 6	108
65-74	Automobile Right-of-Way 33	Unsafe Speed 20	Improper Turning 9	Traffic Signals & Signs 7	DUI Alcohol/Drugs 5	Following Too Closely 4	88
75-84	Automobile Right-of-Way 22	Unsafe Speed 15	Improper Turning 7†	Traffic Signals & Signs 7†	Unsafe Start/Backup 4	Wrong Side of Road 3	63
85+	Automobile Right-of-Way 7	Traffic Signals & Signs 3	Improper Turning 2†	Wrong Side of Road 2†	Following Too Closely 2†	*	17
All Crashes	Unsafe Speed 649	Automobile Right-of-Way 396	DUI Alcohol/Drugs 224	Improper Turning 222	Traffic Signals & Signs 159	Wrong Side of Road 94	2050

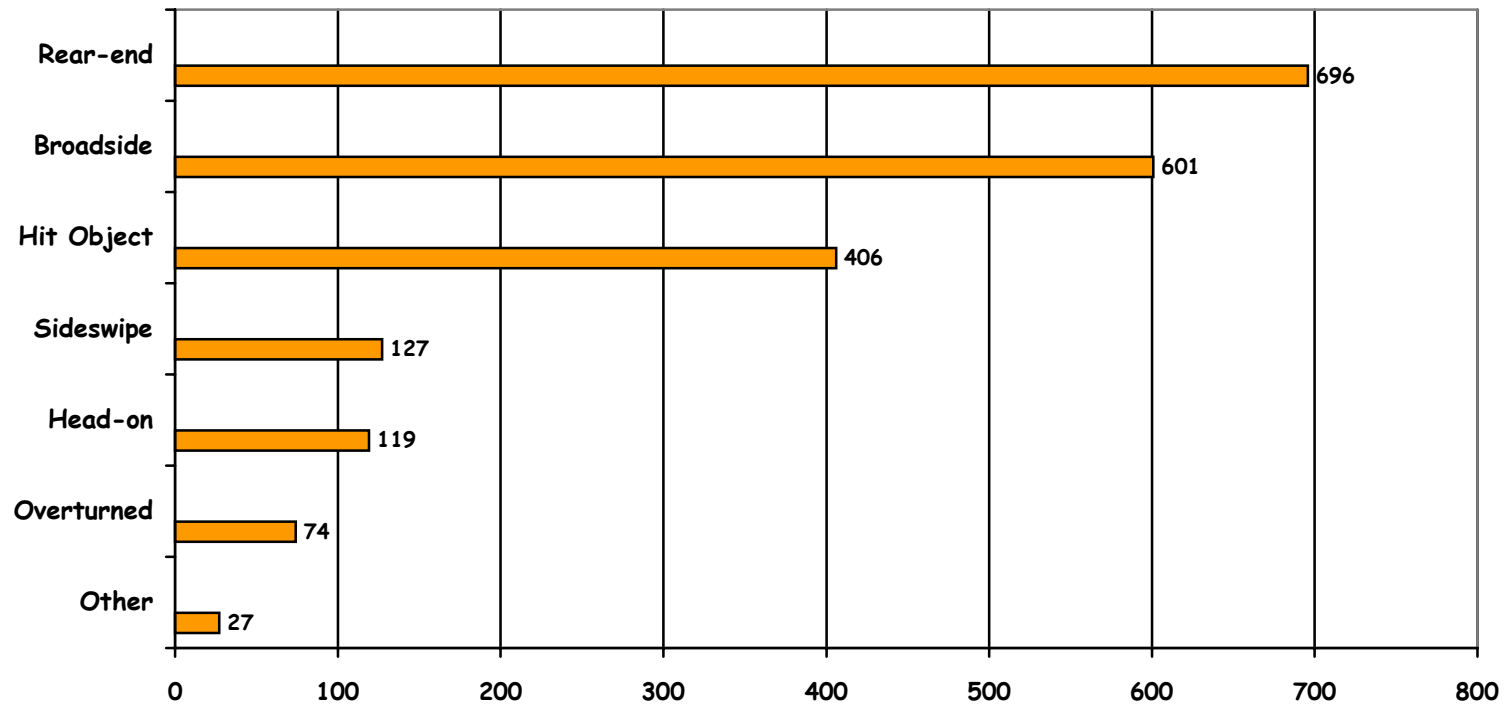
Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single crash were not ranked.

** Multiple violation categories with the same number of victims were not listed due to space limitations.

† Tie

Figure 3.2
Motor Vehicle Occupant Crashes by Type of Collision
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

Table 3-2
Number of Motor Vehicle Occupant Crashes in the East County Region
by Age of Party at Fault and Collision Type
July 1, 1998 to June 30, 1999

Age of Party at Fault	Collision Type							Total
	Head-on	Sideswipe	Rear-end	Broadside	Hit Object	Overturned	Other	
Not Stated	1	12	31	9	14	5	0	72
	(1.39%)*	(16.67%)	(43.06%)	(12.50%)	(19.44%)	(6.94%)	(0.00%)	(100.%)
10 to 14	0	1	0	0	2	0	0	3
	(0.00%)	(33.33%)	(0.00%)	(0.00%)	(66.67%)	(0.00%)	(0.00%)	(100.%)
15 to 19	22	28	117	100	76	14	2	359
	(6.13%)	(7.80%)	(32.59%)	(27.86%)	(21.17%)	(3.90%)	(0.56%)	(100.%)
20 to 24	17	21	88	82	68	8	2	286
	(5.94%)	(7.34%)	(30.77%)	(28.67%)	(23.78%)	(2.80%)	(0.70%)	(100.%)
25 to 34	22	15	128	100	82	16	5	368
	(5.98%)	(4.08%)	(34.78%)	(27.17%)	(22.28%)	(4.35%)	(1.36%)	(100.%)
35 to 44	23	19	148	83	57	15	6	351
	(6.55%)	(5.41%)	(42.17%)	(23.65%)	(16.24%)	(4.27%)	(1.71%)	(100.%)
45 to 54	15	13	81	78	39	8	2	236
	(6.36%)	(5.51%)	(34.32%)	(33.05%)	(16.53%)	(3.39%)	(0.85%)	(100.%)
55 to 64	4	5	32	44	19	4	0	108
	(3.70%)	(4.63%)	(29.63%)	(40.74%)	(17.59%)	(3.70%)	(0.00%)	(100.%)
65 to 74	6	6	28	38	9	1	0	88
	(6.82%)	(6.82%)	(31.82%)	(43.18%)	(10.23%)	(1.14%)	(0.00%)	(100.%)
75 to 84	4	4	21	29	5	0	0	63
	(6.35%)	(6.35%)	(33.33%)	(46.03%)	(7.94%)	(0.00%)	(0.00%)	(100.%)
85 and older	1	1	5	10	0	0	0	17
	(5.88%)	(5.88%)	(29.41%)	(58.82%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
Fault Not Assigned	4	2	17	28	35	3	10	99
	(4.04%)	(2.02%)	(17.17%)	(28.28%)	(35.35%)	(3.03%)	(10.10%)	(100.%)
Total	119	127	696	601	406	74	27	2050
	(5.80%)	(6.20%)	(33.95%)	(29.32%)	(19.80%)	(3.61%)	(1.32%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 3-3
Number of Motor Vehicle Occupant Crashes in the East County Region
by Age of Party at Fault and First Weather Condition
July 1, 1998 to June 30, 1999

Age of Party at Fault	First Weather Condition								Total
	Not Stated	Clear	Cloudy	Raining	Snowing	Fog	Other	Wind	
Not Stated	0 (0.00%)*	60 (83.33%)	9 (12.50%)	2 (2.78%)	0 (0.00%)	1 (1.39%)	0 (0.00%)	0 (0.00%)	72 (100.%)
10 to 14	0 (0.00%)	3 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (100.%)
15 to 19	1 (0.28%)	276 (76.88%)	61 (16.99%)	17 (4.74%)	3 (0.84%)	0 (0.00%)	1 (0.28%)	0 (0.00%)	359 (100.%)
20 to 24	0 (0.00%)	211 (73.78%)	51 (17.83%)	18 (6.29%)	3 (1.05%)	3 (1.05%)	0 (0.00%)	0 (0.00%)	286 (100.%)
25 to 34	0 (0.00%)	275 (74.73%)	61 (16.58%)	25 (6.79%)	5 (1.36%)	0 (0.00%)	1 (0.27%)	1 (0.27%)	368 (100.%)
35 to 44	0 (0.00%)	290 (82.62%)	49 (13.96%)	10 (2.85%)	2 (0.57%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	351 (100.%)
45 to 54	0 (0.00%)	183 (77.54%)	38 (16.10%)	11 (4.66%)	3 (1.27%)	1 (0.42%)	0 (0.00%)	0 (0.00%)	236 (100.%)
55 to 64	0 (0.00%)	93 (86.11%)	10 (9.26%)	5 (4.63%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	108 (100.%)
65 to 74	0 (0.00%)	71 (80.68%)	12 (13.64%)	4 (4.55%)	0 (0.00%)	1 (1.14%)	0 (0.00%)	0 (0.00%)	88 (100.%)
75 to 84	0 (0.00%)	50 (79.37%)	9 (14.29%)	4 (6.35%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	63 (100.%)
85 and older	0 (0.00%)	15 (88.24%)	2 (11.76%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	17 (100.%)
Fault Not Assigned	3 (3.03%)	83 (83.84%)	9 (9.09%)	3 (3.03%)	1 (1.01%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	99 (100.%)
Total	4 (0.20%)	1610 (78.54%)	311 (15.17%)	99 (4.83%)	17 (0.83%)	6 (0.29%)	2 (0.10%)	1 (0.05%)	2050 (100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 3-4
Number of Motor Vehicle Occupant Crashes in the East County Region
by Age of Party at Fault and Time of Week
July 1, 1998 to June 30, 1999

Age of Party at Fault	Time of Week								Total	
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
Not Stated	31	(43.06%)*	11	(15.28%)	14	(19.44%)	16	(22.22%)	72	(100.%)
10 to 14	1	(33.33%)	0	(0.00%)	0	(0.00%)	2	(66.67%)	3	(100.%)
15 to 19	197	(54.87%)	55	(15.32%)	55	(15.32%)	52	(14.48%)	359	(100.%)
20 to 24	148	(51.75%)	50	(17.48%)	26	(9.09%)	62	(21.68%)	286	(100.%)
25 to 34	201	(54.62%)	48	(13.04%)	68	(18.48%)	51	(13.86%)	368	(100.%)
35 to 44	198	(56.41%)	47	(13.39%)	61	(17.38%)	45	(12.82%)	351	(100.%)
45 to 54	154	(65.25%)	29	(12.29%)	36	(15.25%)	17	(7.20%)	236	(100.%)
55 to 64	71	(65.74%)	14	(12.96%)	17	(15.74%)	6	(5.56%)	108	(100.%)
65 to 74	56	(63.64%)	6	(6.82%)	17	(19.32%)	9	(10.23%)	88	(100.%)
75 to 84	46	(73.02%)	4	(6.35%)	11	(17.46%)	2	(3.17%)	63	(100.%)
85 and older	11	(64.71%)	0	(0.00%)	4	(23.53%)	2	(11.76%)	17	(100.%)
Fault Not Assigned	60	(60.61%)	13	(13.13%)	16	(16.16%)	10	(10.10%)	99	(100.%)
Total	1174	(57.27%)	277	(13.51%)	325	(15.85%)	274	(13.37%)	2050	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

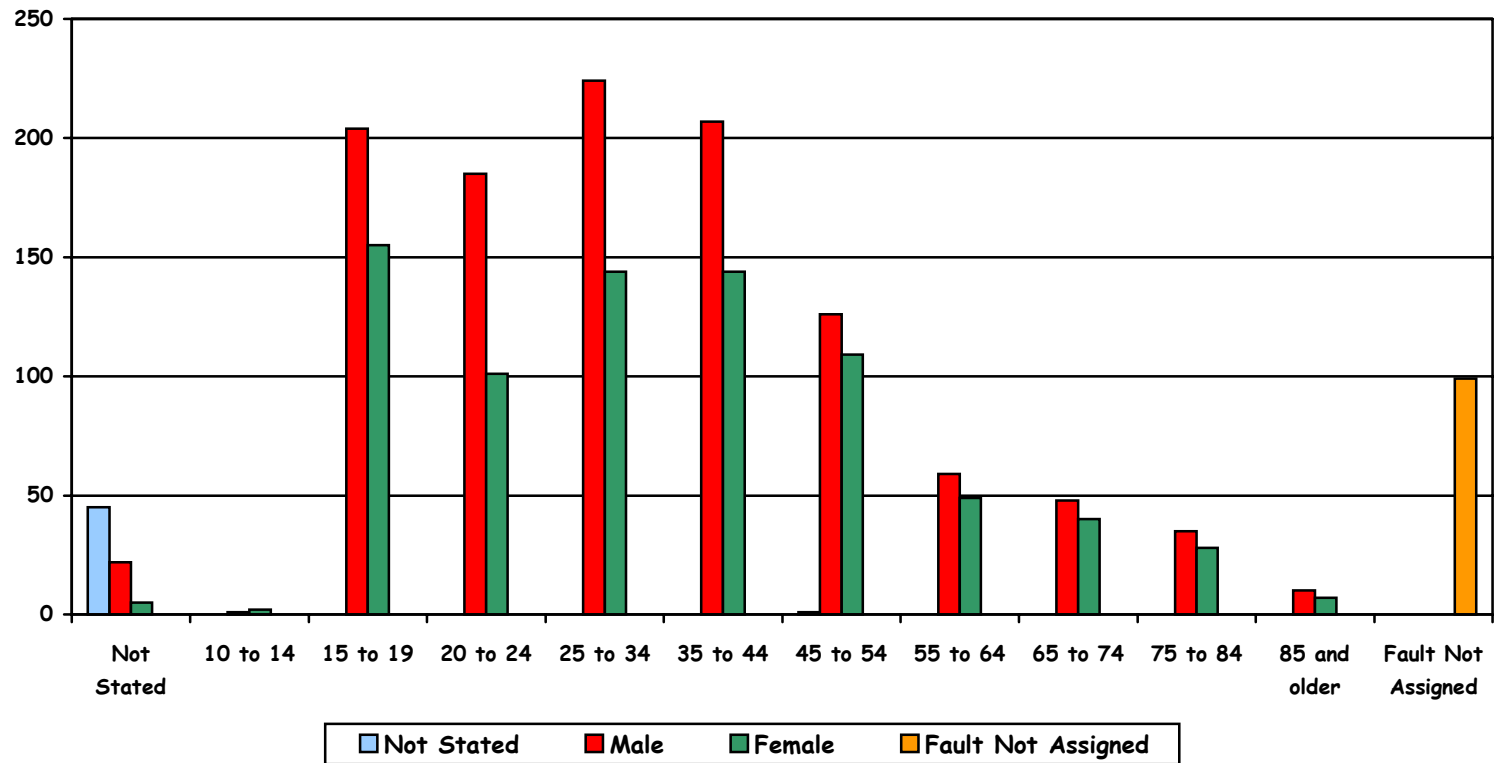
Table 3-5
Number of Motor Vehicle Occupant Crashes in the East County Region
by Age of Party at Fault and First Road Condition
July 1, 1998 to June 30, 1999

Age of Party at Fault	First Road Condition								Total
	Not Stated	Holes, Deep Ruts	Loose Material on Roadway	Obstruction on Roadway	Construction or Repair Zone	Reduced Roadway Width	Other	No Unusual Condition	
Not Stated	0	0	0	0	2	0	0	70	72
	(0.00%)*	(0.00%)	(0.00%)	(0.00%)	(2.78%)	(0.00%)	(0.00%)	(97.22%)	(100.%)
10 to 14	0	0	0	0	0	0	0	3	3
	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(100.00%)	(100.%)
15 to 19	1	0	1	0	2	0	3	352	359
	(0.28%)	(0.00%)	(0.28%)	(0.00%)	(0.56%)	(0.00%)	(0.84%)	(98.05%)	(100.%)
20 to 24	0	1	1	0	3	0	3	278	286
	(0.00%)	(0.35%)	(0.35%)	(0.00%)	(1.05%)	(0.00%)	(1.05%)	(97.20%)	(100.%)
25 to 34	1	0	0	1	4	0	2	360	368
	(0.27%)	(0.00%)	(0.00%)	(0.27%)	(1.09%)	(0.00%)	(0.54%)	(97.83%)	(100.%)
35 to 44	0	0	0	1	4	0	3	343	351
	(0.00%)	(0.00%)	(0.00%)	(0.28%)	(1.14%)	(0.00%)	(0.85%)	(97.72%)	(100.%)
45 to 54	0	1	0	0	4	1	0	230	236
	(0.00%)	(0.42%)	(0.00%)	(0.00%)	(1.69%)	(0.42%)	(0.00%)	(97.46%)	(100.%)
55 to 64	0	0	0	1	1	0	0	106	108
	(0.00%)	(0.00%)	(0.00%)	(0.93%)	(0.93%)	(0.00%)	(0.00%)	(98.15%)	(100.%)
65 to 74	0	0	0	0	1	0	0	87	88
	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(1.14%)	(0.00%)	(0.00%)	(98.86%)	(100.%)
75 to 84	0	0	0	0	1	0	0	62	63
	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(1.59%)	(0.00%)	(0.00%)	(98.41%)	(100.%)
85 and older	0	0	0	0	0	0	0	17	17
	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(100.00%)	(100.%)
Fault Not Assigned	2	0	1	0	2	0	4	90	99
	(2.02%)	(0.00%)	(1.01%)	(0.00%)	(2.02%)	(0.00%)	(4.04%)	(90.91%)	(100.%)
Total	4	2	3	3	24	1	15	1998	2050
	(0.20%)	(0.10%)	(0.15%)	(0.15%)	(1.17%)	(0.05%)	(0.73%)	(97.46%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Figure 3.3
Age and Gender of Party at Fault in Motor Vehicle Occupant Crashes
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

4: MOTORCYCLE VICTIMS

Table 4-1
Leading Causes of Motorcycle Injuries by Age Group of Victim
East County Region

Age Group of Victim	Rank of Violation Category						Total Number of Victims
	1	2	3	4	5	6	
0-4							0
5-9	*						1
10-14	Unsafe Speed 2	*					3
15-19	Unsafe Speed 3†	Improper Turning 3†	*				7
20-24	Unsafe Speed 7	Automobile Right-of-Way 5	Improper Turning 3	*			21
25-34	Unsafe Speed 14	Automobile Right-of-Way 6	Improper Turning 3†	Wrong Side of Road 3†	Other Hazardous Viol. 3†	Other Than Driver 2	35
35-44	Unsafe Speed 8	Automobile Right-of-Way 6†	DUI Alcohol/Drugs 6†	Wrong Side of Road 4	Improper Turning 2†	Traffic Signals & Signs 2†	32
45-54	Unsafe Speed 7†	Automobile Right-of-Way 7†	DUI Alcohol/Drugs 3†	Other Than Driver 3†	**		30
55-64	Unsafe Speed 2†	Wrong Side of Road 2†	*				8
65-74	*						1
75-84							0
85+							0
All Ages	Unsafe Speed 42	Automobile Right-of-Way 27	Wrong Side of Road 14†	Improper Turning 14†	DUI Alcohol/Drugs 12	Other Than Driver 7	139

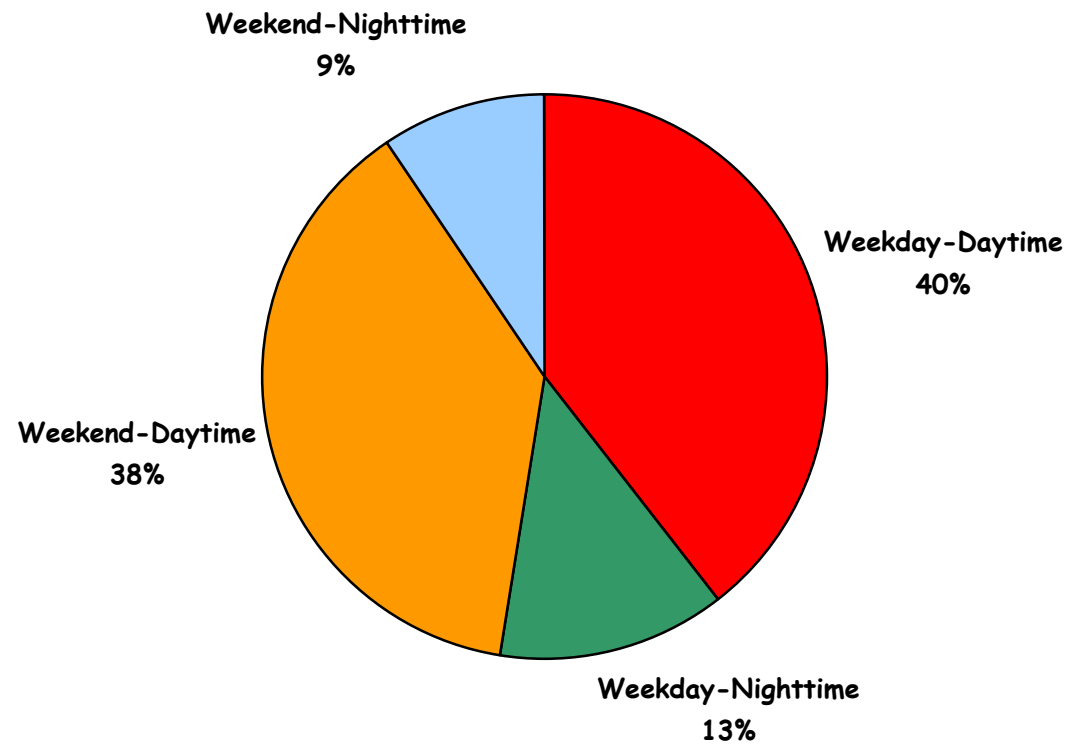
Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single victim were not ranked.

** Multiple violation categories with the same number of victims were not listed due to space limitations.

† Tie

Figure 4.1
Motorcycle Crash Victims by Time of Week
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 4-2
Number of Motorcycle Victims Killed or Injured in Motorcycle Crashes
in the East County Region
by Age of Victim and Time of Week
July 1, 1998 to June 30, 1999

Age of Victim	Time of Week								Total	
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
5 to 9	1	(100.00%)*	0	(0.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
10 to 14	1	(33.33%)	2	(66.67%)	0	(0.00%)	0	(0.00%)	3	(100.%)
15 to 19	2	(28.57%)	2	(28.57%)	0	(0.00%)	3	(42.86%)	7	(100.%)
20 to 24	13	(61.90%)	2	(9.52%)	4	(19.05%)	2	(9.52%)	21	(100.%)
25 to 34	14	(40.00%)	4	(11.43%)	14	(40.00%)	3	(8.57%)	35	(100.%)
35 to 44	9	(28.13%)	3	(9.38%)	17	(53.13%)	3	(9.38%)	32	(100.%)
45 to 54	11	(36.67%)	4	(13.33%)	13	(43.33%)	2	(6.67%)	30	(100.%)
55 to 64	2	(25.00%)	1	(12.50%)	5	(62.50%)	0	(0.00%)	8	(100.%)
65 to 74	1	(100.00%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
Not stated	1	(100.00%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
Total	55	(39.57%)	18	(12.95%)	53	(38.13%)	13	(9.35%)	139	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

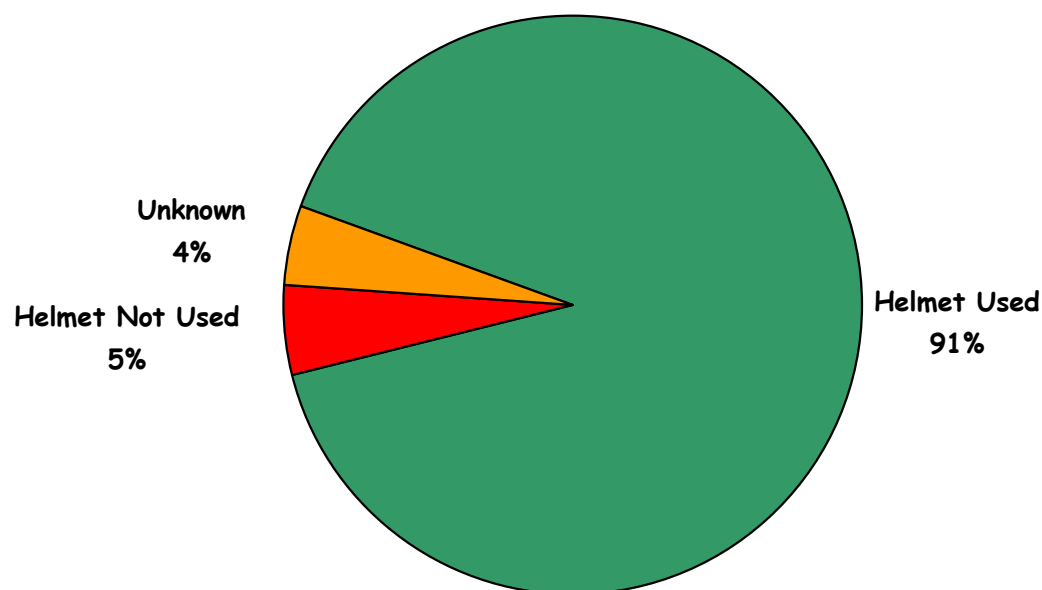
Table 4-3
Number of Motorcycle Victims Killed or Injured in Motorcycle Crashes
in the East County Region
by Type of Collision and Severity of Injury
July 1, 1998 to June 30, 1999

Type of Collision	Severity of Injury								Total	
	Killed		Severe Injury		Other Visible Injury		Complaint of Pain			
Head-on	1	(33.33%)*	0	(0.00%)	2	(66.67%)	0	(0.00%)	3	(100.%)
Sideswipe	1	(25.00%)	0	(0.00%)	3	(75.00%)	0	(0.00%)	4	(100.%)
Rear-end	0	(0.00%)	4	(26.67%)	6	(40.00%)	5	(33.33%)	15	(100.%)
Broadside	0	(0.00%)	8	(21.05%)	20	(52.63%)	10	(26.32%)	38	(100.%)
Hit Object	1	(2.78%)	9	(25.00%)	16	(44.44%)	10	(27.78%)	36	(100.%)
Overtuned	0	(0.00%)	5	(13.16%)	26	(68.42%)	7	(18.42%)	38	(100.%)
Other	0	(0.00%)	1	(20.00%)	4	(80.00%)	0	(0.00%)	5	(100.%)
Total	3	(2.16%)	27	(19.42%)	77	(55.40%)	32	(23.02%)	139	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Figure 4.2
Helmet Use Among Motorcycle Crash Victims
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 4-4
Number of Motorcycle Victims Killed or Injured in Motorcycle Crashes
in the East County Region
by Age of Victim and Helmet Use
July 1, 1998 to June 30, 1999

Age of Victim	Helmet Use						Total	
	Helmet Used		Helmet Not Used		Unknown			
5 to 9	1	(100.00%)*	0	(0.00%)	0	(0.00%)	1	(100.%)
10 to 14	3	(100.00%)	0	(0.00%)	0	(0.00%)	3	(100.%)
15 to 19	6	(85.71%)	1	(14.29%)	0	(0.00%)	7	(100.%)
20 to 24	19	(90.48%)	1	(4.76%)	1	(4.76%)	21	(100.%)
25 to 34	29	(82.86%)	3	(8.57%)	3	(8.57%)	35	(100.%)
35 to 44	29	(90.63%)	1	(3.13%)	2	(6.25%)	32	(100.%)
45 to 54	29	(96.67%)	1	(3.33%)	0	(0.00%)	30	(100.%)
55 to 64	8	(100.00%)	0	(0.00%)	0	(0.00%)	8	(100.%)
65 to 74	1	(100.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
Not stated	1	(100.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
Total	126	(90.65%)	7	(5.04%)	6	(4.32%)	139	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

5: MOTORCYCLE CRASHES

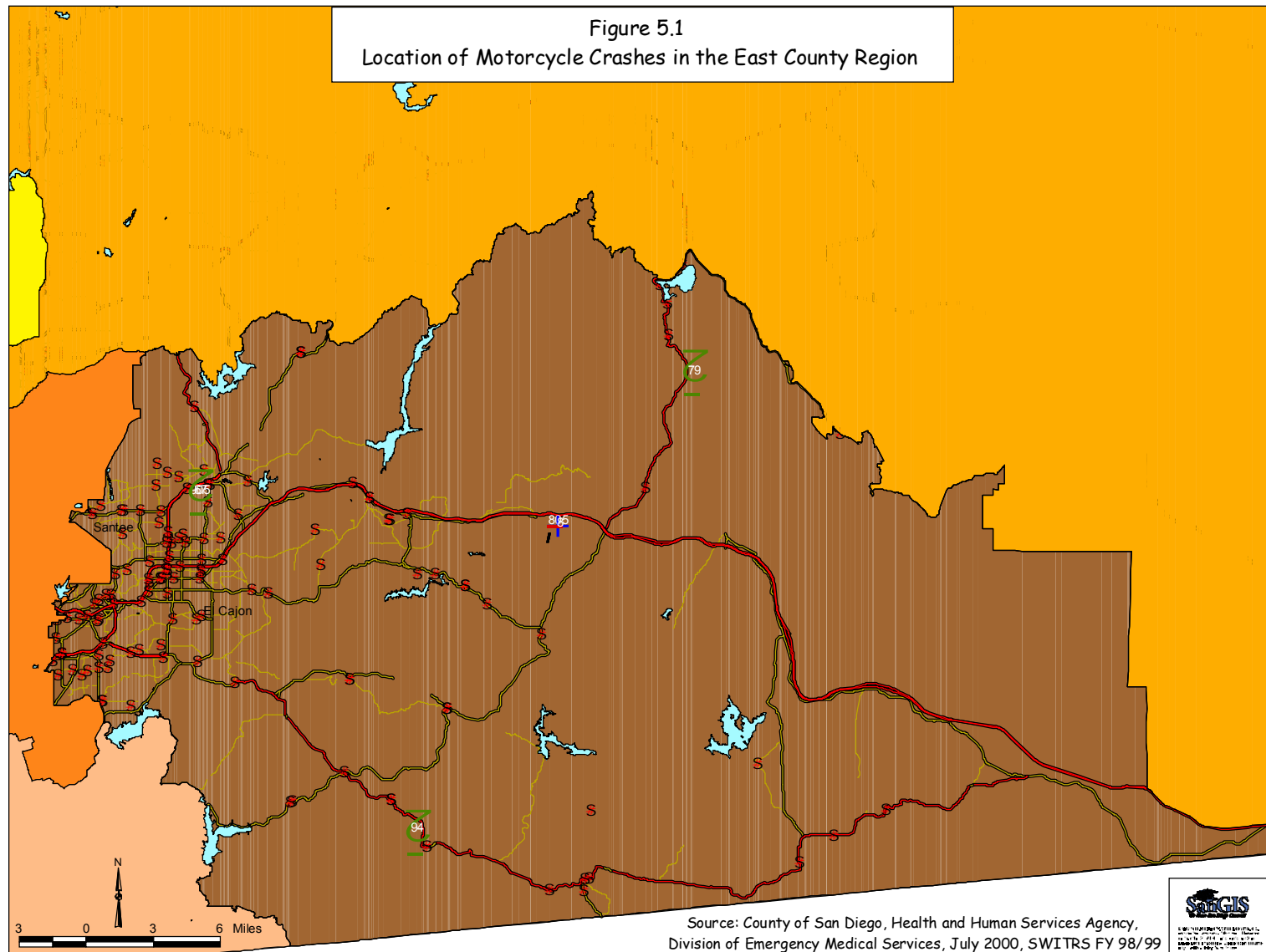


Table 5-1
Leading Violation Categories in Motorcycle Crashes by Type of Party at Fault
East County Region

Type of Party at Fault	Rank of Violation Category						Total Number of Crashes
	1	2	3	4	5	6	
Motorcycle at Fault	Unsafe Speed 34	Wrong Side of Road 12	DUI Alcohol/Drugs 8	Improper Turning 6	Automobile Right-of-Way 5†	Other Hazardous Viol. 5†	75
Other Party at Fault	Automobile Right-of-Way 19	Unsafe Speed 6	Traffic Signals & Signs 5	Improper Turning 4	DUI Alcohol/Drugs 3	Wrong Side of Road 2	42
Fault Not Assigned	Other Than Driver 7	Improper Turning 2	*				12
All Crashes	Unsafe Speed 40	Automobile Right-of-Way 24	Wrong Side of Road 14	DUI Alcohol/Drugs 12†	Improper Turning 12†	Other Than Driver 7	129

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single crash were not ranked.

† Tie

Table 5-2
Number of Motorcycle Crashes in the East County Region
by Collision Type and Type of Party at Fault
July 1, 1998 to June 30, 1999

Collision Type	Fault in Motorcycle Crash						Total	
	Motorcycle at Fault		Other Party at Fault		Fault Not Assigned			
Head-on	3	(100.00%)*	0	(0.00%)	0	(0.00%)	3	(100.%)
Sideswipe	1	(25.00%)	3	(75.00%)	0	(0.00%)	4	(100.%)
Rear-end	5	(35.71%)	9	(64.29%)	0	(0.00%)	14	(100.%)
Broadside	8	(22.86%)	25	(71.43%)	2	(5.71%)	35	(100.%)
Hit Object	29	(87.88%)	2	(6.06%)	2	(6.06%)	33	(100.%)
Overturned	28	(80.00%)	3	(8.57%)	4	(11.43%)	35	(100.%)
Other	1	(20.00%)	0	(0.00%)	4	(80.00%)	5	(100.%)
Total	75	(58.14%)	42	(32.56%)	12	(9.30%)	129	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 5-3
Number of Motorcycle Crashes in the East County Region
by First Weather Condition and Type of Party at Fault
July 1, 1998 to June 30, 1999

First Weather Condition	Fault in Motorcycle Crash						Total	
	Motorcycle at Fault		Other Party at Fault		Fault Not Assigned			
Clear	69	(58.97%)*	37	(31.62%)	11	(9.40%)	117	(100.%)
Cloudy	6	(54.55%)	4	(36.36%)	1	(9.09%)	11	(100.%)
Raining	0	(0.00%)	1	(100.00%)	0	(0.00%)	1	(100.%)
Total	75	(58.14%)	42	(32.56%)	12	(9.30%)	129	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 5-4
Number of Motorcycle Crashes in the East County Region
by Time of Week and Type of Party at Fault
July 1, 1998 to June 30, 1999

Time of Week	Fault in Motorcycle Crash						Total	
	Motorcycle at Fault		Other Party at Fault		Fault Not Assigned			
Weekday-Daytime	27	(50.94%)*	19	(35.85%)	7	(13.21%)	53	(100.%)
Weekday-Nighttime	9	(56.25%)	6	(37.50%)	1	(6.25%)	16	(100.%)
Weekend-Daytime	33	(68.75%)	12	(25.00%)	3	(6.25%)	48	(100.%)
Weekend-Nighttime	6	(50.00%)	5	(41.67%)	1	(8.33%)	12	(100.%)
Total	75	(58.14%)	42	(32.56%)	12	(9.30%)	129	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 5-5
Number of Motorcycle Crashes in the East County Region
by First Road Condition and Type of Party at Fault
July 1, 1998 to June 30, 1999

First Road Condition	Fault in Motorcycle Crash						Total	
	Motorcycle at Fault		Other Party at Fault		Fault Not Assigned			
Loose Material on Roadway	1	(50.00%)*	0	(0.00%)	1	(50.00%)	2	(100.%)
Construction or Repair Zone	2	(50.00%)	2	(50.00%)	0	(0.00%)	4	(100.%)
Other	2	(100.00%)	0	(0.00%)	0	(0.00%)	2	(100.%)
No Unusual Condition	70	(57.85%)	40	(33.06%)	11	(9.09%)	121	(100.%)
Total	75	(58.14%)	42	(32.56%)	12	(9.30%)	129	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 5-6
Number of Motorcycle Crashes in the East County Region
by Age and Gender of Party at Fault, and Type of Party at Fault
July 1, 1998 to June 30, 1999

Age of Party at Fault	Fault in Motorcycle Crash†					
	Motorcycle at Fault			Other Party at Fault		
	Gender of Party at Fault††			Gender of Party at Fault††		
	Male		Female	Male		Female
Not Stated	0	(0.00%)*	0 (0.00%)	1 (2.70%)	0	(0.00%)
10 to 14	2	(2.67%)	0 (0.00%)	0 (0.00%)	0	(0.00%)
15 to 19	3	(4.00%)	0 (0.00%)	3 (8.11%)	2	(5.41%)
20 to 24	11	(14.67%)	1 (1.33%)	2 (5.41%)	1	(2.70%)
25 to 34	20	(26.67%)	0 (0.00%)	7 (18.92%)	3	(8.11%)
35 to 44	17	(22.67%)	3 (4.00%)	4 (10.81%)	2	(5.41%)
45 to 54	10	(13.33%)	1 (1.33%)	5 (13.51%)	0	(0.00%)
55 to 64	5	(6.67%)	1 (1.33%)	2 (5.41%)	0	(0.00%)
65 to 74	1	(1.33%)	0 (0.00%)	1 (2.70%)	1	(2.70%)
75 to 84	0	(0.00%)	0 (0.00%)	2 (5.41%)	1	(2.70%)
Total	69	(92.00%)	6 (8.00%)	27 (72.97%)	10	(27.03%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are age and gender percents.

†Fault was not assigned in 12 crashes.

††Gender of party at fault was not stated for 5 other parties.

6: PEDALCYCLE VICTIMS

Table 6-1
Leading Causes of Pedalcycle Injuries by Age Group of Victim
East County Region

Age Group of Victim	Rank of Violation Category						Total Number of Victims
	1	2	3	4	5	6	
0-4							0
5-9	Automobile Right-of-Way 5†	Improper Turning 5†	Wrong Side of Road 2†	Traffic Signals & Signs 2†	*		16
10-14	Wrong Side of Road 16	Automobile Right-of-Way 14	Improper Turning 6	Other Hazardous Viol. 4	Traffic Signals & Signs 3	*	52
15-19	Wrong Side of Road 6	Traffic Signals & Signs 5	Automobile Right-of-Way 3†	Other Hazardous Viol. 3†	Improper Turning 2	*	26
20-24	*						5
25-34	Automobile Right-of-Way 5	Traffic Signals & Signs 3	Improper Turning 2	*			13
35-44	Automobile Right-of-Way 6	Wrong Side of Road 2†	Other Hazardous Viol. 2†	DUI Alcohol/Drugs 2†	*		17
45-54	Automobile Right-of-Way 3†	Improper Turning 3†	Other Hazardous Viol. 2†	DUI Alcohol/Drugs 2†	*		12
55-64	*						3
65-74	*						2
75-84							0
85+							0
All Ages	Automobile Right-of-Way 39	Wrong Side of Road 30	Improper Turning 19	Traffic Signals & Signs 15	Other Hazardous Viol. 12	DUI Alcohol/Drugs 6	146

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single victim were not ranked.

† Tie

Table 6-2
Number of Pedalcycle Victims Killed or Injured in Pedalcycle Crashes
in the East County Region
by Age of Victim and Time of Week
July 1, 1998 to June 30, 1999

Age of Victim	Time of Week							Total		
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
5 to 9	9	(56.25%)*	2	(12.50%)	4	(25.00%)	1	(6.25%)	16	(100.%)
10 to 14	36	(69.23%)	2	(3.85%)	13	(25.00%)	1	(1.92%)	52	(100.%)
15 to 19	18	(69.23%)	2	(7.69%)	6	(23.08%)	0	(0.00%)	26	(100.%)
20 to 24	2	(40.00%)	0	(0.00%)	3	(60.00%)	0	(0.00%)	5	(100.%)
25 to 34	11	(84.62%)	1	(7.69%)	0	(0.00%)	1	(7.69%)	13	(100.%)
35 to 44	10	(58.82%)	0	(0.00%)	5	(29.41%)	2	(11.76%)	17	(100.%)
45 to 54	10	(83.33%)	0	(0.00%)	0	(0.00%)	2	(16.67%)	12	(100.%)
55 to 64	2	(66.67%)	0	(0.00%)	1	(33.33%)	0	(0.00%)	3	(100.%)
Not stated	2	(100.00%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	2	(100.%)
Total	100	(68.49%)	7	(4.79%)	32	(21.92%)	7	(4.79%)	146	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

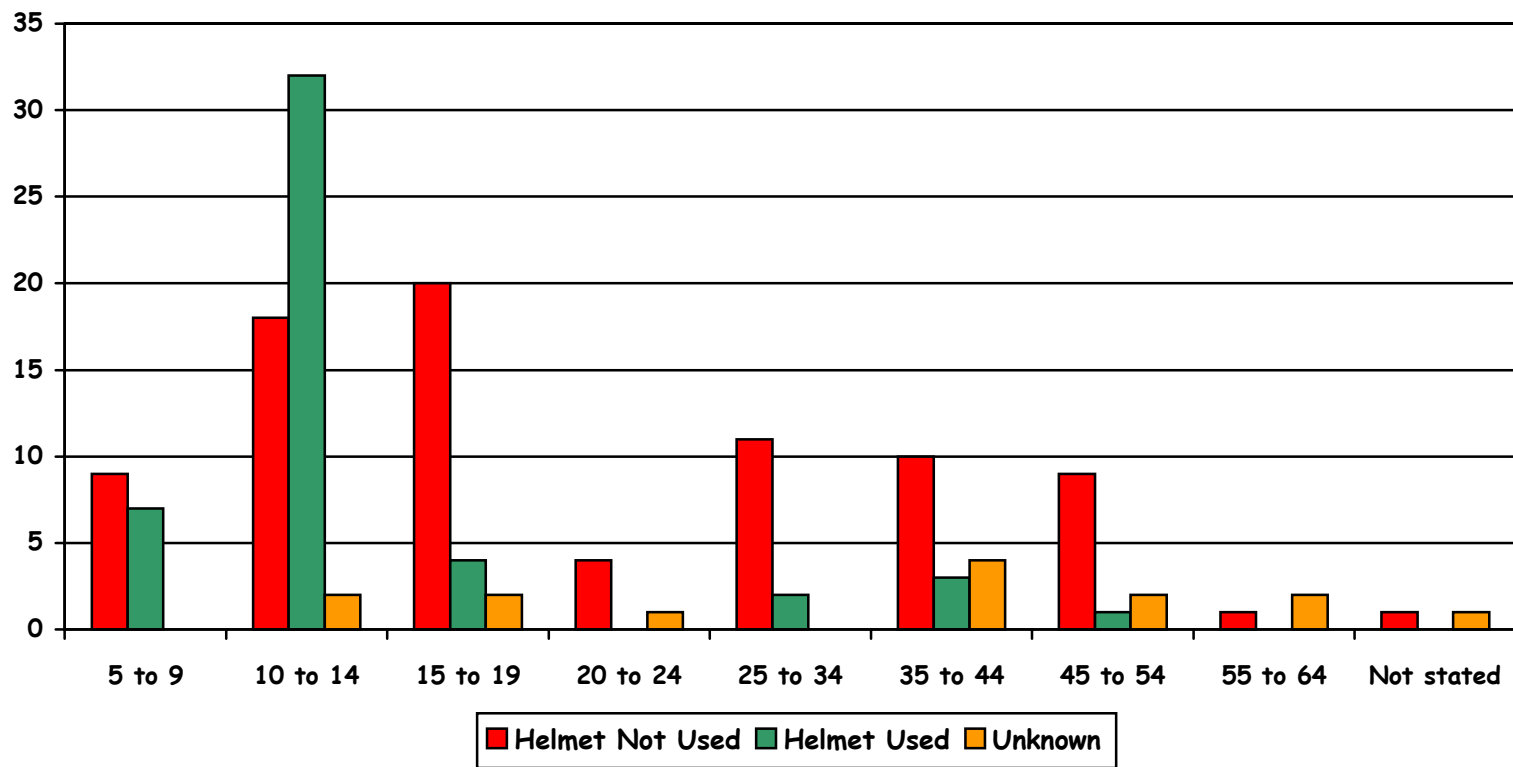
Table 6-3
Number of Pedalcycle Victims Killed or Injured in Pedalcycle Crashes
in the East County Region
by Age of Victim and First Weather Condition
July 1, 1998 to June 30, 1999

Age of Victim	First Weather Condition				Total
	Not Stated	Clear	Cloudy	Raining	
5 to 9	0	15	1	0	16
	(0.00%)*	(93.75%)	(6.25%)	(0.00%)	(100.%)
10 to 14	1	43	8	0	52
	(1.92%)	(82.69%)	(15.38%)	(0.00%)	(100.%)
15 to 19	0	24	2	0	26
	(0.00%)	(92.31%)	(7.69%)	(0.00%)	(100.%)
20 to 24	0	4	1	0	5
	(0.00%)	(80.00%)	(20.00%)	(0.00%)	(100.%)
25 to 34	0	11	1	1	13
	(0.00%)	(84.62%)	(7.69%)	(7.69%)	(100.%)
35 to 44	0	13	3	1	17
	(0.00%)	(76.47%)	(17.65%)	(5.88%)	(100.%)
45 to 54	0	8	3	1	12
	(0.00%)	(66.67%)	(25.00%)	(8.33%)	(100.%)
55 to 64	0	2	0	1	3
	(0.00%)	(66.67%)	(0.00%)	(33.33%)	(100.%)
Not stated	0	2	0	0	2
	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(100.%)
Total	1	122	19	4	146
	(0.68%)	(83.56%)	(13.01%)	(2.74%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Figure 6.1
Helmet Use by Age of Pedalcyclist Crash Victims
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 6-4
Number of Pedalcycle Victims Killed or Injured in Pedalcycle Crashes
in the East County Region
by Helmet Use and Severity of Injury
July 1, 1998 to June 30, 1999

Helmet Use	Severity of Injury								Total	
	Killed		Severe Injury		Other Visible Injury		Complaint of Pain			
Helmet Used	0	(0.00%)*	5	(10.20%)	33	(67.35%)	11	(22.45%)	49	(100.%)
Helmet Not Used	1	(1.20%)	7	(8.43%)	51	(61.45%)	24	(28.92%)	83	(100.%)
Unknown	0	(0.00%)	2	(14.29%)	6	(42.86%)	6	(42.86%)	14	(100.%)
Total	1	(0.68%)	14	(9.59%)	90	(61.64%)	41	(28.08%)	146	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

7: PEDALCYCLE CRASHES

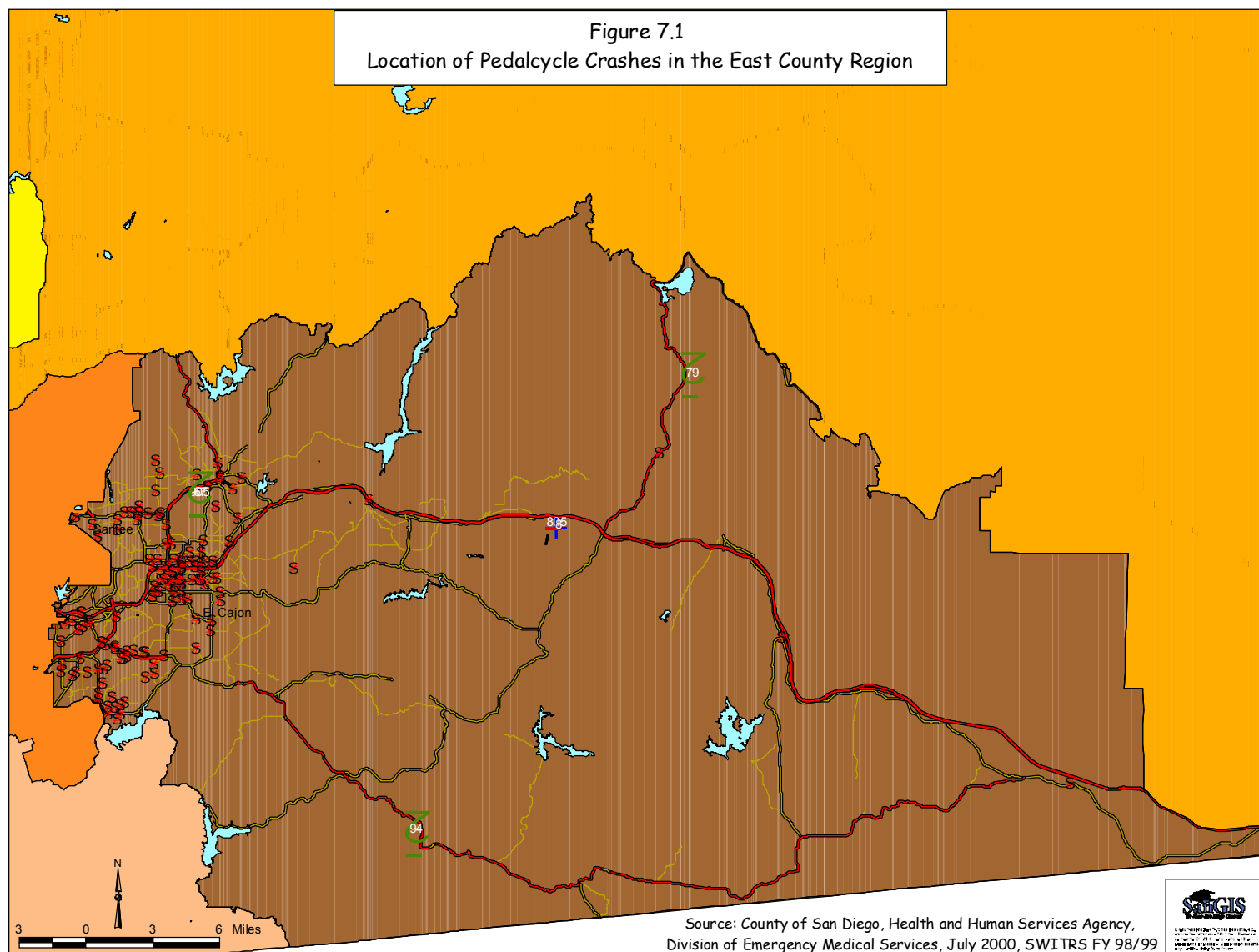


Table 7-1
Leading Violation Categories in Pedalcycle Crashes by Type of Party at Fault
East County Region

Type of Party at Fault	Rank of Violation Category						Total Number of Crashes
	1	2	3	4	5	6	
Pedalcycle at Fault	Wrong Side of Road 24	Automobile Right-of-Way 23	Traffic Signals & Signs 13	Other Hazardous Viol. 12	Improper Turning 10	DUI Alcohol/Drugs 6	105
Other Party at Fault	Automobile Right-of-Way 15	Improper Turning 9	Wrong Side of Road 4	Traffic Signals & Signs 2†	Unsafe Start/Backup 2†	*	36
Fault Not Assigned	*						4
All Crashes	Automobile Right-of-Way 38	Wrong Side of Road 29	Improper Turning 19	Traffic Signals & Signs 15	Other Hazardous Viol. 12	DUI Alcohol/Drugs 6	145

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single crash were not ranked.

† Tie

Table 7-2
Number of Pedalcycle Crashes in the East County Region
by First Weather Condition and Type of Party at Fault
July 1, 1998 to June 30, 1999

First Weather Condition	Fault in Pedalcycle Crash						Total	
	Pedalcycle at Fault		Other Party at Fault		Fault Not Assigned			
Not Stated	1	(100.00%)*	0	(0.00%)	0	(0.00%)	1	(100.%)
Clear	84	(69.42%)	34	(28.10%)	3	(2.48%)	121	(100.%)
Cloudy	16	(84.21%)	2	(10.53%)	1	(5.26%)	19	(100.%)
Raining	4	(100.00%)	0	(0.00%)	0	(0.00%)	4	(100.%)
Total	105	(72.41%)	36	(24.83%)	4	(2.76%)	145	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 7-3
Number of Pedalcycle Crashes in the East County Region
by Time of Week and Type of Party at Fault
July 1, 1998 to June 30, 1999

Time of Week	Fault in Pedalcycle Crash						Total	
	Pedalcycle at Fault		Other Party at Fault		Fault Not Assigned			
Weekday-Daytime	72	(72.73%)*	25	(25.25%)	2	(2.02%)	99	(100.%)
Weekday-Nighttime	7	(100.00%)	0	(0.00%)	0	(0.00%)	7	(100.%)
Weekend-Daytime	22	(68.75%)	8	(25.00%)	2	(6.25%)	32	(100.%)
Weekend-Nighttime	4	(57.14%)	3	(42.86%)	0	(0.00%)	7	(100.%)
Total	105	(72.41%)	36	(24.83%)	4	(2.76%)	145	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 7-4
Number of Pedalcycle Crashes in the East County Region
by First Road Condition and Type of Party at Fault
July 1, 1998 to June 30, 1999

First Road Condition	Fault in Pedalcycle Crash						Total	
	Pedalcycle at Fault		Other Party at Fault		Fault Not Assigned			
Construction or Repair Zone	1	(100.00%)*	0	(0.00%)	0	(0.00%)	1	(100.%)
No Unusual Condition	104	(72.22%)	36	(25.00%)	4	(2.78%)	144	(100.%)
Total	105	(72.41%)	36	(24.83%)	4	(2.76%)	145	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 7-5
Number of Pedalcycle Crashes in the East County Region
by Age and Gender of Party at Fault and Type of Party at Fault
July 1, 1998 to June 30, 1999

Age of Party at Fault	Fault in Pedalcycle Crash†							
	Pedalcycle at Fault				Other Party at Fault			
	Gender of Party at Fault††				Gender of Party at Fault††			
	Male		Female		Male		Female	
Not Stated	1	(0.95%)*	0	(0.00%)	1	(3.23%)	1	(3.23%)
5 to 9	9	(8.57%)	5	(4.76%)	0	(0.00%)	0	(0.00%)
10 to 14	34	(32.38%)	3	(2.86%)	0	(0.00%)	1	(3.23%)
15 to 19	16	(15.24%)	3	(2.86%)	3	(9.68%)	0	(0.00%)
20 to 24	3	(2.86%)	2	(1.90%)	1	(3.23%)	0	(0.00%)
25 to 34	7	(6.67%)	2	(1.90%)	3	(9.68%)	2	(6.45%)
35 to 44	8	(7.62%)	0	(0.00%)	3	(9.68%)	6	(19.35%)
45 to 54	10	(9.52%)	0	(0.00%)	2	(6.45%)	1	(3.23%)
55 to 64	2	(1.90%)	0	(0.00%)	1	(3.23%)	1	(3.23%)
65 to 74	0	(0.00%)	0	(0.00%)	2	(6.45%)	1	(3.23%)
75 to 84	0	(0.00%)	0	(0.00%)	1	(3.23%)	0	(0.00%)
85 and older	0	(0.00%)	0	(0.00%)	0	(0.00%)	1	(3.23%)
Total	90	(85.71%)	15	(14.29%)	17	(54.84%)	14	(45.16%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are age and gender percents.

†Fault was not assigned in 4 crashes.

††Gender of party at fault was not stated for 5 other parties.

8: PEDESTRIAN VICTIMS

Table 8-1
Leading Causes of Pedestrian Injuries by Age Group of Victim
East County Region

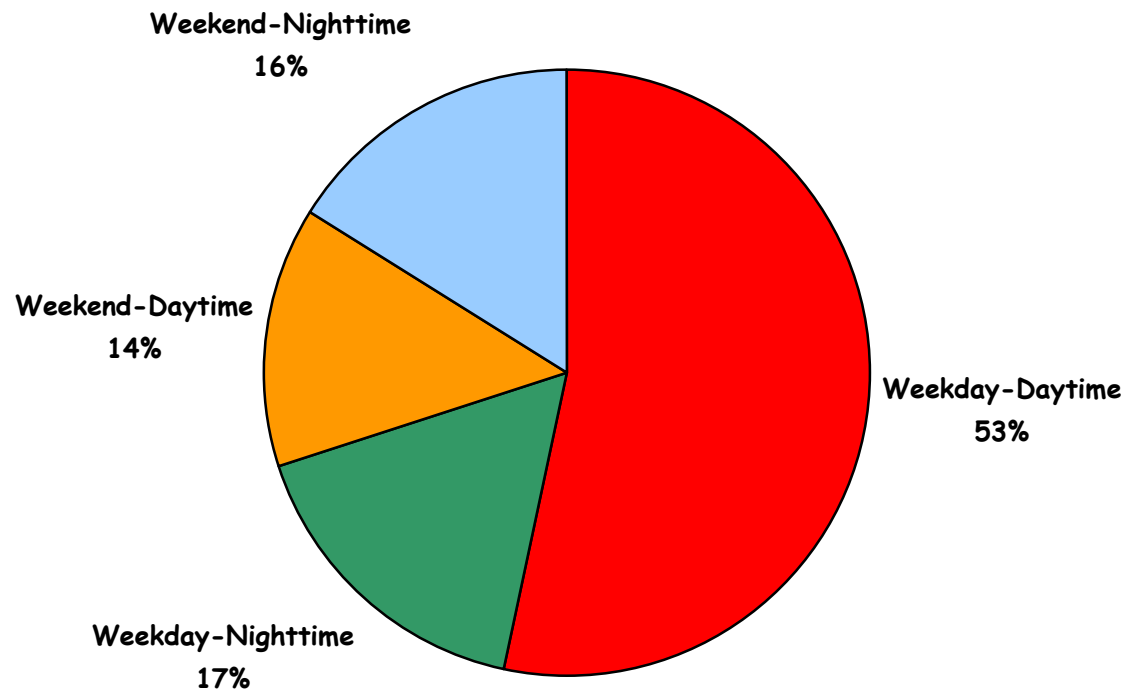
Age Group of Victim	Rank of Violation Category						Total Number of Victims
	1	2	3	4	5	6	
0-4	Pedestrian Violation 4	Pedestrian Right-of-Way 2	*				9
5-9	Pedestrian Violation 17	Unsafe Speed 3	Pedestrian Right-of-Way 2	*			23
10-14	Pedestrian Violation 16	Pedestrian Right-of-Way 8	*				28
15-19	Pedestrian Violation 9	Pedestrian Right-of-Way 7	Unsafe Start/Backup 2†	Automobile Right-of-Way 2†	*		23
20-24	Pedestrian Violation 2†	Pedestrian Right-of-Way 2†	*				8
25-34	Pedestrian Violation 8	Peds UI Alcohol/Drugs 5	Pedestrian Right-of-Way 2†	Unsafe Speed 2†	*		21
35-44	Pedestrian Violation 9	Pedestrian Right-of-Way 3	Unsafe Speed 2	*			23
45-54	Pedestrian Violation 6	Pedestrian Right-of-Way 3	*				11
55-64	Pedestrian Violation 3	Pedestrian Right-of-Way 2	*				8
65-74	Pedestrian Violation 3	*					4
75-84	Pedestrian Violation 2†	Pedestrian Right-of-Way 2†	*				5
85+	Pedestrian Violation 2	*					3
All Ages	Pedestrian Violation 82	Pedestrian Right-of-Way 35	Peds UI Alcohol/Drugs 8	Unsafe Speed 7	Unsafe Start/Backup 6	Automobile Right-of-Way 5	167

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single victim were not ranked.

† Tie

Figure 8.1
Pedestrian Crash Victims by Time of Week
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

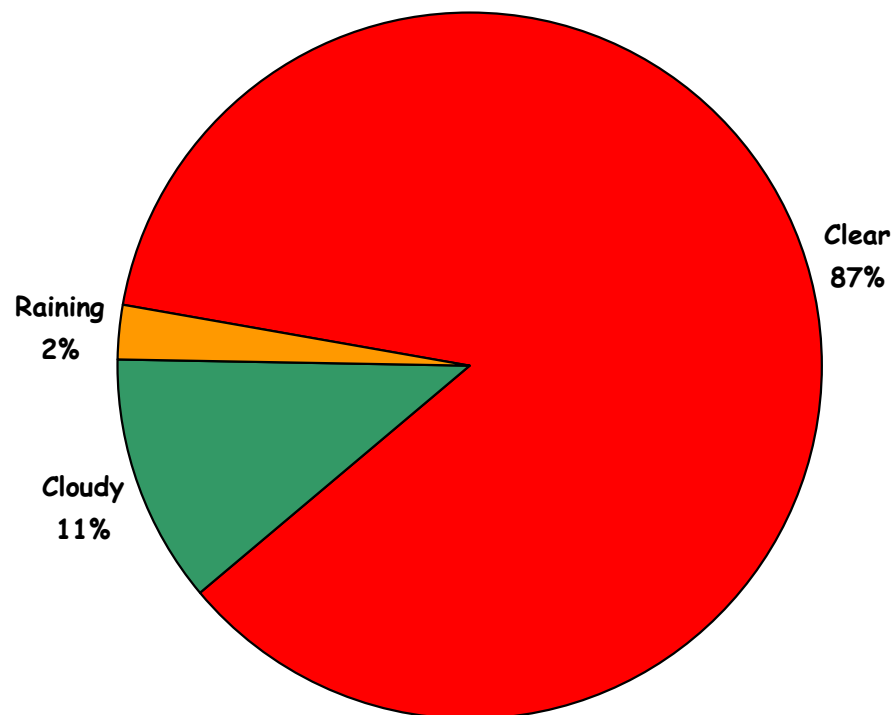
Table 8-2
Number of Pedestrian Victims Killed or Injured in Pedestrian Crashes
in the East County Region
by Age of Victim and Time of Week
July 1, 1998 to June 30, 1999

Age of Victim	Time of Week								Total	
	Weekday-Daytime		Weekday-Nighttime		Weekend-Daytime		Weekend-Nighttime			
1 to 4	4	(44.44%)*	1	(11.11%)	2	(22.22%)	2	(22.22%)	9	(100.%)
5 to 9	18	(78.26%)	0	(0.00%)	2	(8.70%)	3	(13.04%)	23	(100.%)
10 to 14	20	(71.43%)	3	(10.71%)	4	(14.29%)	1	(3.57%)	28	(100.%)
15 to 19	11	(47.83%)	5	(21.74%)	3	(13.04%)	4	(17.39%)	23	(100.%)
20 to 24	3	(37.50%)	4	(50.00%)	0	(0.00%)	1	(12.50%)	8	(100.%)
25 to 34	7	(33.33%)	5	(23.81%)	3	(14.29%)	6	(28.57%)	21	(100.%)
35 to 44	9	(39.13%)	5	(21.74%)	2	(8.70%)	7	(30.43%)	23	(100.%)
45 to 54	5	(45.45%)	5	(45.45%)	1	(9.09%)	0	(0.00%)	11	(100.%)
55 to 64	5	(62.50%)	0	(0.00%)	2	(25.00%)	1	(12.50%)	8	(100.%)
65 to 74	3	(75.00%)	0	(0.00%)	0	(0.00%)	1	(25.00%)	4	(100.%)
75 to 84	3	(60.00%)	0	(0.00%)	2	(40.00%)	0	(0.00%)	5	(100.%)
85 and older	1	(33.33%)	0	(0.00%)	2	(66.67%)	0	(0.00%)	3	(100.%)
Not stated	0	(0.00%)	0	(0.00%)	0	(0.00%)	1	(100.00%)	1	(100.%)
Total	89	(53.29%)	28	(16.77%)	23	(13.77%)	27	(16.17%)	167	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Figure 8.2
Pedestrian Crash Victims by First Weather Condition
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 8-3
Number of Pedestrian Victims Killed or Injured in Pedestrian Crashes
in the East County Region
by Age of Victim and Type of Party at Fault
July 1, 1998 to June 30, 1999

Age of Victim	Fault in Pedestrian Crash						Total	
	Pedestrian at Fault		Other Party at Fault		Fault Not Assigned			
1 to 4	5	(55.56%)*	3	(33.33%)	1	(11.11%)	9	(100.%)
5 to 9	17	(73.91%)	6	(26.09%)	0	(0.00%)	23	(100.%)
10 to 14	16	(57.14%)	9	(32.14%)	3	(10.71%)	28	(100.%)
15 to 19	10	(43.48%)	12	(52.17%)	1	(4.35%)	23	(100.%)
20 to 24	3	(37.50%)	3	(37.50%)	2	(25.00%)	8	(100.%)
25 to 34	13	(61.90%)	8	(38.10%)	0	(0.00%)	21	(100.%)
35 to 44	11	(47.83%)	8	(34.78%)	4	(17.39%)	23	(100.%)
45 to 54	7	(63.64%)	3	(27.27%)	1	(9.09%)	11	(100.%)
55 to 64	3	(37.50%)	4	(50.00%)	1	(12.50%)	8	(100.%)
65 to 74	2	(50.00%)	2	(50.00%)	0	(0.00%)	4	(100.%)
75 to 84	2	(40.00%)	3	(60.00%)	0	(0.00%)	5	(100.%)
85 and older	2	(66.67%)	1	(33.33%)	0	(0.00%)	3	(100.%)
Not stated	1	(100.00%)	0	(0.00%)	0	(0.00%)	1	(100.%)
Total	92	(55.09%)	62	(37.13%)	13	(7.78%)	167	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

9: PEDESTRIAN CRASHES

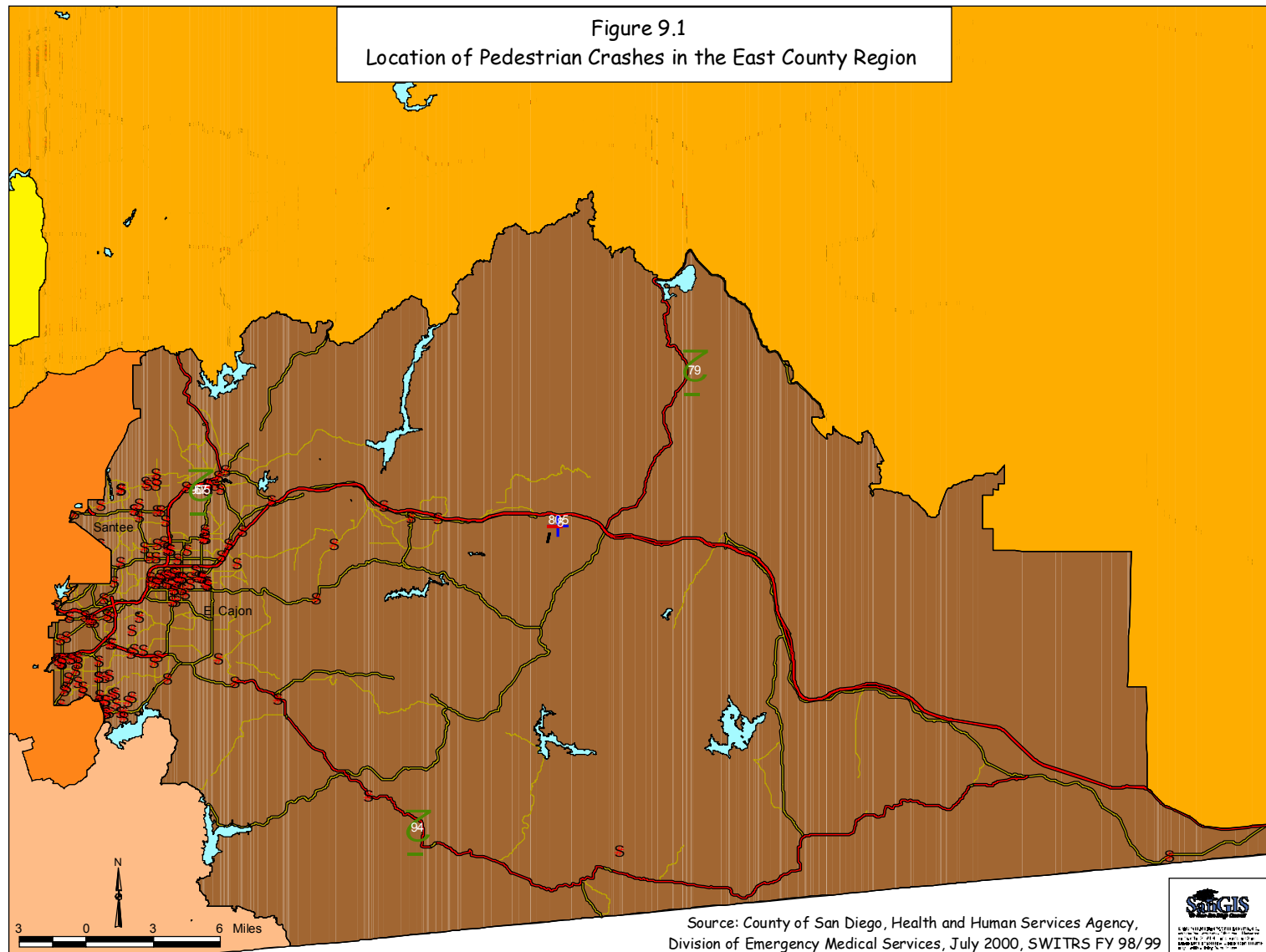


Table 9-1
Leading Violation Categories in Pedestrian Crashes by Age of Party at Fault
East County Region

Age of Party at Fault	Rank of Violation Category						Total Number of Crashes
	1	2	3	4	5	6	
0-4	Pedestrian Violation 4	Pedestrian Right-of-Way 2					6
5-9	Pedestrian Violation 14	§					15
10-14	Pedestrian Violation 10	*					11
15-19	Pedestrian Violation 9	Pedestrian Right-of-Way 2	*				15
20-24	Pedestrian Right-of-Way 3	Pedestrian Violation 2					5
25-34	Pedestrian Violation 6	Pedestrian Right-of-Way 5	Automobile Right-of-Way 3	Peds UI Alcohol/Drugs 2	*		17
35-44	Pedestrian Right-of-Way 6	Pedestrian Violation 3	Peds UI Alcohol/Drugs 2	*			15
45-54	Pedestrian Violation 9	Pedestrian Right-of-Way 2†	Peds UI Alcohol/Drugs 2†				13
55-64	Pedestrian Violation 5	Pedestrian Right-of-Way 3	*				9
65-74	Pedestrian Violation 7	Pedestrian Right-of-Way 5	*				15
75-84	Pedestrian Violation 2	*					3
85+	*						1
All Crashes	Pedestrian Violation 75	Pedestrian Right-of-Way 32	Automobile Right-of-Way 8	Peds UI Alcohol/Drugs 7	DUI Alcohol/Drugs 4†	Improper Turning 4†	151

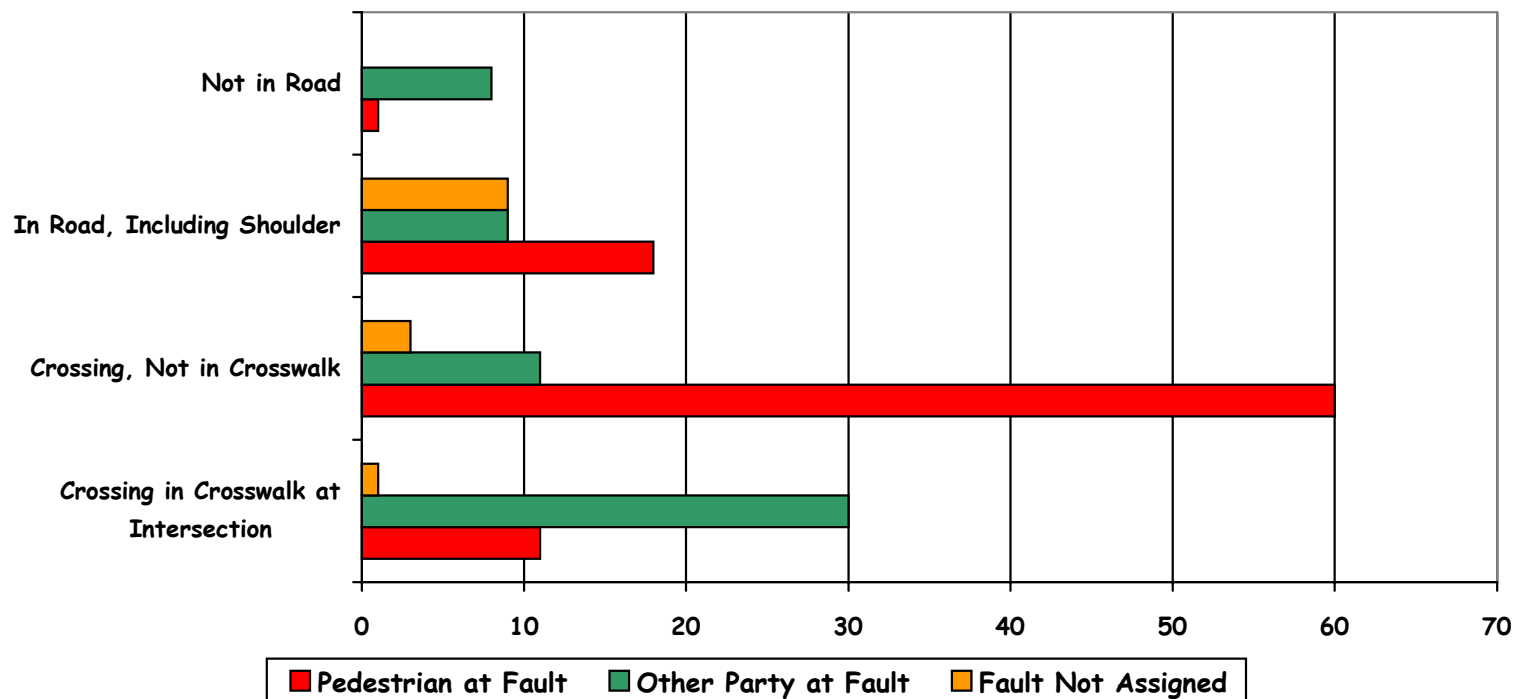
Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

* Violation categories leading to a single crash were not ranked.

† Tie

§ Violation category unknown for other crashes.

Figure 9.2
Pedestrian Action by Type of Party at Fault
East County Region



Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99

Table 9-2a
Number of Pedestrian Crashes in the East County Region
by Age of Party at Fault and Pedestrian Action
In Crashes Where the Pedestrian Was at Fault†
July 1, 1998 to June 30, 1999

Age of Party at Fault	Pedestrian Action				Total
	Crossing in Crosswalk at Intersection	Crossing, Not in Crosswalk	In Road, Including Shoulder	Not in Road	
Not Stated	0	1	0	0	1
	(0.00%)*	(100.00%)	(0.00%)	(0.00%)	(100.%)
1 to 4	0	4	1	0	5
	(0.00%)	(80.00%)	(20.00%)	(0.00%)	(100.%)
5 to 9	4	12	0	0	16
	(25.00%)	(75.00%)	(0.00%)	(0.00%)	(100.%)
10 to 14	1	9	5	0	15
	(6.67%)	(60.00%)	(33.33%)	(0.00%)	(100.%)
15 to 19	0	7	2	1	10
	(0.00%)	(70.00%)	(20.00%)	(10.00%)	(100.%)
20 to 24	1	2	0	0	3
	(33.33%)	(66.67%)	(0.00%)	(0.00%)	(100.%)
25 to 34	2	9	2	0	13
	(15.38%)	(69.23%)	(15.38%)	(0.00%)	(100.%)
35 to 44	0	6	5	0	11
	(0.00%)	(54.55%)	(45.45%)	(0.00%)	(100.%)
45 to 54	1	5	1	0	7
	(14.29%)	(71.43%)	(14.29%)	(0.00%)	(100.%)
55 to 64	1	1	1	0	3
	(33.33%)	(33.33%)	(33.33%)	(0.00%)	(100.%)
65 to 74	0	1	1	0	2
	(0.00%)	(50.00%)	(50.00%)	(0.00%)	(100.%)
75 to 84	0	2	0	0	2
	(0.00%)	(100.00%)	(0.00%)	(0.00%)	(100.%)
85 and older	1	1	0	0	2
	(50.00%)	(50.00%)	(0.00%)	(0.00%)	(100.%)
Total	11	60	18	1	90
	(12.22%)	(66.67%)	(20.00%)	(1.11%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database
FY 98/99.

*Numbers in parentheses are row percents.

†There were 58 crashes where the other party was at fault and 13 crashes where fault was not assigned.

Table 9-2b
Number of Pedestrian Crashes in the East County Region
by Age of Party at Fault and Pedestrian Action
In Crashes Where the Other Party Was at Fault†
July 1, 1998 to June 30, 1999

Age of Party at Fault	Pedestrian Action				Total
	Crossing in Crosswalk at Intersection	Crossing, Not in Crosswalk	In Road, Including Shoulder	Not in Road	
Not Stated	2	4	3	4	13
	(15.38%)*	(30.77%)	(23.08%)	(30.77%)	(100.%)
15 to 19	2	1	0	1	4
	(50.00%)	(25.00%)	(0.00%)	(25.00%)	(100.%)
20 to 24	5	0	0	0	5
	(100.00%)	(0.00%)	(0.00%)	(0.00%)	(100.%)
25 to 34	6	2	1	3	12
	(50.00%)	(16.67%)	(8.33%)	(25.00%)	(100.%)
35 to 44	7	2	0	0	9
	(77.78%)	(22.22%)	(0.00%)	(0.00%)	(100.%)
45 to 54	3	1	2	0	6
	(50.00%)	(16.67%)	(33.33%)	(0.00%)	(100.%)
55 to 64	3	1	1	0	5
	(60.00%)	(20.00%)	(20.00%)	(0.00%)	(100.%)
65 to 74	2	0	1	0	3
	(66.67%)	(0.00%)	(33.33%)	(0.00%)	(100.%)
75 to 84	0	0	1	0	1
	(0.00%)	(0.00%)	(100.00%)	(0.00%)	(100.%)
Total	30	11	9	8	58
	(51.72%)	(18.97%)	(15.52%)	(13.79%)	(100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database
FY 98/99.

*Numbers in parentheses are row percents.

†There were 90 crashes where the pedestrian was at fault and 13 crashes where fault was not assigned.

Table 9-3
Number of Pedestrian Crashes in the East County Region
by Age of Party at Fault and First Weather Condition
July 1, 1998 to June 30, 1999

Age of Party at Fault	First Weather Condition			Total
	Clear	Cloudy	Raining	
Not Stated	12 (85.71%)*	2 (14.29%)	0 (0.00%)	14 (100.%)
1 to 4	4 (80.00%)	1 (20.00%)	0 (0.00%)	5 (100.%)
5 to 9	15 (93.75%)	1 (6.25%)	0 (0.00%)	16 (100.%)
10 to 14	13 (86.67%)	2 (13.33%)	0 (0.00%)	15 (100.%)
15 to 19	12 (85.71%)	2 (14.29%)	0 (0.00%)	14 (100.%)
20 to 24	7 (87.50%)	0 (0.00%)	1 (12.50%)	8 (100.%)
25 to 34	22 (88.00%)	3 (12.00%)	0 (0.00%)	25 (100.%)
35 to 44	17 (85.00%)	3 (15.00%)	0 (0.00%)	20 (100.%)
45 to 54	10 (76.92%)	2 (15.38%)	1 (7.69%)	13 (100.%)
55 to 64	6 (75.00%)	1 (12.50%)	1 (12.50%)	8 (100.%)
65 to 74	5 (100.00%)	0 (0.00%)	0 (0.00%)	5 (100.%)
75 to 84	2 (66.67%)	0 (0.00%)	1 (33.33%)	3 (100.%)
85 and older	2 (100.00%)	0 (0.00%)	0 (0.00%)	2 (100.%)
Fault Not Assigned	11 (84.62%)	2 (15.38%)	0 (0.00%)	13 (100.%)
Total	138 (85.71%)	19 (11.80%)	4 (2.48%)	161 (100.%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are row percents.

Table 9-4
Number of Pedestrian Crashes in the East County Region
by Age and Gender of Party at Fault and Type of Party at Fault
July 1, 1998 to June 30, 1999

Age of Party at Fault	Fault in Pedestrian Crash†					
	Pedestrian at Fault			Other Party at Fault		
	Gender of Party at Fault††			Gender of Party at Fault††		
	Male		Female	Male		Female
Not Stated	1	(1.11%)*	0 (0.00%)	3	(6.12%)	1 (2.04%)
1 to 4	4	(4.44%)	1 (1.11%)	0	(0.00%)	0 (0.00%)
5 to 9	12	(13.33%)	4 (4.44%)	0	(0.00%)	0 (0.00%)
10 to 14	11	(12.22%)	4 (4.44%)	0	(0.00%)	0 (0.00%)
15 to 19	10	(11.11%)	0 (0.00%)	2	(4.08%)	2 (4.08%)
20 to 24	3	(3.33%)	0 (0.00%)	4	(8.16%)	1 (2.04%)
25 to 34	11	(12.22%)	2 (2.22%)	6	(12.24%)	6 (12.24%)
35 to 44	7	(7.78%)	4 (4.44%)	4	(8.16%)	5 (10.20%)
45 to 54	2	(2.22%)	5 (5.56%)	3	(6.12%)	3 (6.12%)
55 to 64	1	(1.11%)	2 (2.22%)	5	(10.20%)	0 (0.00%)
65 to 74	2	(2.22%)	0 (0.00%)	1	(2.04%)	2 (4.08%)
75 to 84	0	(0.00%)	2 (2.22%)	0	(0.00%)	1 (2.04%)
85 and older	1	(1.11%)	1 (1.11%)	0	(0.00%)	0 (0.00%)
Total	65	(72.22%)	25 (27.78%)	28	(57.14%)	21 (42.86%)

Source: County of San Diego, Health and Human Services Agency, Division of Emergency Medical Services, SWITRS database FY 98/99.

*Numbers in parentheses are age and gender percents.

†Fault was not assigned in 13 crashes.

††Gender of party at fault was not stated for 9 other parties.